

## AST compound application and recommendation overview

| Compound code | Colour           | Compound description                   | Low friction | Pressure resistance | Velocity m/s | fit for oil lubrication | fit for water lubrication | fit for dry running | food safe | fit for ceramic surfaces | fit for HD coatings |
|---------------|------------------|--|--------------|---------------------|--------------|-------------------------|---------------------------|---------------------|-----------|--------------------------|---------------------|
| PTFE          | White            | Pure PTFE, (Virgin)                    | 5            | 1                   | 15           | Y                       | N                         | Y                   | Y         | N                        | Y                   |
| PBF12         | Dark grey        | PTFE-Bronze-MoS2-Modified (40%Bronze)  | 4            | 4                   | 12           | Y                       | N                         | N                   | N         | N                        | N                   |
| PBF12E        | Dark grey        | PTFE-Bronze-MoS2-Treated (Etched)      | 4            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PBF13         | Light green      | PTFE-Bronze-Modified                   | 5            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PBF12         | Brown            | PTFE-Bronze-Modified-Treated (Etched)  | 5            | 3                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PBF15         | Gold             | PTFE-Bronze-Modified                   | 5            | 3                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PBF16         | Brown            | PTFE-Bronze-MoS2-Modified (60%Bronze)  | 3            | 5                   | 3            | Y                       | N                         | N                   | N         | N                        | N                   |
| PBF17         | Light Brown      | PTFE-Bronze-Modified                   | 4            | 3                   | 12           | Y                       | N                         | N                   | N         | N                        | N                   |
| PBF18         | Light green      | PTFE-Bronze-Modified                   | 4            | 3                   | 12           | Y                       | N                         | N                   | N         | N                        | N                   |
| PGF21         | Black            | PTFE-Graphite                          | 5            | 4                   | 15           | Y                       | N                         | Y                   | N         | N                        | Y                   |
| PGF22         | Black            | PTFE-Carbon-Graphite                   | 4            | 4                   | 15           | Y                       | N                         | Y                   | N         | N                        | Y                   |
| PGF25         | Black            | PTFE-Carbon-Graphite                   | 4            | 4                   | 15           | Y                       | N                         | Y                   | N         | N                        | Y                   |
| PCF26         | Black            | PTFE-Carbon                            | 4            | 4                   | 15           | Y                       | N                         | Y                   | N         | N                        | Y                   |
| PCF28         | Black grey       | PTFE-Carbon fiber                      | 4            | 3                   | 15           | Y                       | N                         | Y                   | N         | N                        | Y                   |
| PTB30         | Bleu             | PTFE-Filler                            | 4            | 3                   | 12           | Y                       | N                         | N                   | N         | N                        | Y                   |
| PTM31         | Grey bleu        | PTFE-MoS2-Modified                     | 4            | 3                   | 12           | Y                       | N                         | N                   | N         | N                        | Y                   |
| PTF32         | Turquoise        | PTFE-Filler                            | 5            | 2                   | 15           | Y                       | N                         | N                   | N         | N                        | Y                   |
| PTF33         | Green            | PTFE-Filler                            | 4            | 3                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PTF34         | Light bleu       | PTFE-Filler                            | 4            | 2                   | 12           | Y                       | N                         | N                   | N         | N                        | Y                   |
| PTE40         | Cream            | PTFE-Econol                            | 5            | 2                   | 15           | Y                       | N                         | N                   | N         | N                        | Y                   |
| PTG60         | Light bleu       | PTFE-Glassfiber-Modified               | 4            | 3                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PTG61         | Turquoise        | PTFE-Glassfiber-Filler                 | 4            | 3                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PTG63         | Green            | PTFE-Glass fiber-Graphi.-MoS2-Modified | 4            | 3                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PTM66         | Grey             | PTFE-Glass fiber-MoS2-Modified         | 4            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PTG70         | White            | PTFE-Glassfiber                        | 4            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PTG72         | White            | PTFE-Glassfiber                        | 4            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PTG73         | Red brown        | PTFE-Glassfiber                        | 4            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PEF80         | Grey             | Polyester-Fabric                       | 3            | 4                   | 3            | Y                       | N                         | N                   | N         | Y                        | Y                   |
| PEF80T        | Grey             | Polyester-Fabrik-Turned                | 3            | na                  | 3            | Y                       | N                         | N                   | N         | Y                        | Y                   |
| K40           | Light green      | Polyester-Fabric/PTFE                  | 2            | na                  | 3            | Y                       | Y                         | N                   | N         | Y                        | N                   |
| K20           | Grey             | Polyester-Fabric/Graphite              | 4            | na                  | 3            | Y                       | N                         | Y                   | N         | Y                        | Y                   |
| HPU30         | Yellow           | Polyurethane Shore72D/99A              | 2            | 5                   | 3            | Y                       | N                         | N                   | N         | Y                        | Y                   |
| HPU32         | Yellow,lightbrow | Polyurethane Shore60D                  | 2            | 3                   | 3            | Y                       | N                         | N                   | N         | Y                        | Y                   |
| HPU33         | Yellow,lightbrow | Polyurethane shore 70D                 | 2            | 5                   | 3            | Y                       | N                         | N                   | N         | Y                        | Y                   |
| HPU31         | Bleu             | Polyurethane Shore72D/99A              | 2            | 5                   | 3            | Y                       | N                         | N                   | N         | Y                        | Y                   |
| UHP90         | White            | UHMW-PE,GUR                            | 5            | 5                   | 5            | Y                       | Y                         | Y                   | Y         | Y                        | Y                   |
| POM91         | White            | POM-C/PTFE, Acetal                     | 3            | 5                   | 5            | Y                       | Y                         | N                   | Y         | N                        | N                   |
| POM92         | White            | DELIN, POM-C                           | 3            | 5                   | 5            | Y                       | Y                         | N                   | Y         | N                        | N                   |
| POM93         | Black            | DELIRIN, POM-C                         | 3            | 5                   | 5            | Y                       | Y                         | N                   | Y         | N                        | N                   |
| PAG94         | White            | Nylon, Polyamide, PA6                  | 3            | 4                   | 3            | Y                       | N                         | N                   | N         | N                        | N                   |
| PAG95         | Black            | Nylon, Polyamide, PA6                  | 3            | 4                   | 3            | Y                       | N                         | N                   | N         | N                        | N                   |
| POM96         | White            | DELIN 150 SA, POM-H                    | 3            | 5                   | 5            | Y                       | N                         | N                   | Y         | N                        | N                   |
| PPF97         | White            | PVDF, Polyvinyliden flouride           | 3            | 3                   | 2            | Y                       | N                         | N                   | N         | N                        | N                   |
| PT100         | Light brown      | PTFE-Bronze                            | 4            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PT110         | Light grey       | PTFE-Stainless Steel                   | 3            | 5                   | 3            | Y                       | N                         | N                   | N         | N                        | N                   |
| PT111         | White            | PTFE-Titanium dioxide                  | 3            | 5                   | 3            | Y                       | N                         | N                   | N         | N                        | N                   |
| PT112         | Black grey       | PTFE-Carbon-Graphite                   | 3            | 4                   | 15           | Y                       | N                         | Y                   | N         | N                        | Y                   |
| PT113         | Light grey       | PTFE-Glass fiber-Carbon                | 4            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PT114         | Grey             | PTFE-Carbon fiber-Graphite-Filler      | 4            | 4                   | 15           | Y                       | N                         | Y                   | N         | N                        | Y                   |
| PU116         | Yellow           | Polyurethane Shore 95A                 | 2            | 4                   | 3            | Y                       | N                         | N                   | N         | Y                        | Y                   |
| PU117         | Yellow           | Polyurethane Shore 97A                 | 2            | 5                   | 3            | Y                       | N                         | N                   | N         | Y                        | Y                   |
| PTPM118       | Light brown      | PTFE-Polyimide-Modified                | 4            | 4                   | 12           | Y                       | N                         | N                   | N         | N                        | Y                   |
| PE119         | Black            | Peek-BG-PTFE-Carbon-Graphite           | 3            | 5                   | 5            | Y                       | N                         | N                   | N         | N                        | Y                   |
| PTB120        | Brown            | PTFE-Bronze (recycled)                 | 4            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PTCM121       | White            | PTFE-Chemical modified                 | 5            | 2                   | 15           | Y                       | N                         | N                   | N         | N                        | Y                   |
| PO122         | Turquoise        | Modified POM, Copolymer                | 3            | 3                   | 5            | Y                       | N                         | N                   | Y         | N                        | Y                   |
| PT123         | Black grey       | PTFE-PPS-Carbon-MoS2                   | 4            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PU124         | Turquoise        | Polyurethane, Shore 58D                | 3            | 2                   | 3            | Y                       | N                         | N                   | N         | Y                        | Y                   |
| PTMM125       | Grey bleu        | PTFE-MoS2-Modified                     | 4            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | Y                   |
| LA126         | White            | Lauramid                               | 3            | 2                   | 2            | Y                       | N                         | N                   | N         | N                        | N                   |
| PGG127        | Grey             | PTFE-Glassfiber-Graphite               | 4            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PMF128        | Light green      | PTFE-MoS2-Filler                       | 4            | 3                   | 15           | Y                       | N                         | N                   | N         | N                        | Y                   |
| PE129         | Beige            | Peek (Nature)                          | 3            | 5                   | 3            | Y                       | N                         | N                   | N         | N                        | Y                   |
| HPU130        | Yellow           | Polyurethane Shore 90A                 | 3            | 4                   | 3            | Y                       | N                         | N                   | N         | Y                        | Y                   |
| PTMF131       | Dark bleu        | PTFE-MoS2-Filler                       | 4            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | Y                   |
| PTGMF132      | Dark bleu        | PTFE-Glassfiber-MoS2-Filler            | 4            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PPA133        | White            | Polyamid PA6.6                         | 2            | 3                   | 3            | Y                       | N                         | N                   | N         | N                        | N                   |
| PTBCM134      | Grey             | PTFE-Bronze-Carbonfiber-MoS2           | 4            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PPS135        |                  | PPS                                    | 3            | 3                   | 2            | Y                       | N                         | N                   | N         | N                        | N                   |
| PTCGF136      | Grey             | PTFE-Carbonfiber-Graphite-Filler       | 4            | 4                   | 15           | Y                       | N                         | Y                   | N         | N                        | Y                   |
| PPSG137       | Black            | PPS-Glassfiber                         | 3            | 4                   | 2            | Y                       | N                         | N                   | N         | N                        | N                   |
| PTPPSC138     | Black grey       | PTFE-PPS-MoS2                          | 4            | 4                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| PTC142        | Black            | PTFE + 25% Carbon                      | 4            | 4                   | 15           | Y                       | N                         | Y                   | N         | N                        | Y                   |
| PTMF210       | Grey             | PTFE + Mineral filler                  | 5            | 3                   | 15           | Y                       | N                         | Y                   | N         | N                        | Y                   |
| PTGF600       | Light bleu       | PTFE-Glass Fiber-Filler (recycled)     | 4            | 3                   | 15           | Y                       | N                         | N                   | N         | N                        | N                   |
| FEZN          |                  | Steel with zink coating                | na           | 5                   | na           | na                      | N                         | N                   | N         | N                        | N                   |
| FEZNN7        |                  | Steel with zink coating + NBR70        | na           | 5                   | na           | na                      | N                         | N                   | N         | N                        | N                   |

low 1 2 3 4 5 high