

TORILIS PS



PLASTICIZER

Process oils

APPLICATION

- **TORILIS PS** are mineral paraffinic oils, severely refined, blue denatured, used as plasticizer in the production of natural and synthetic rubber compounds for the production of coloured articles as tires, soles and heels for shoes, rubber parts of cars and technical articles, cables and electrical materials, pipes, rollers, tapes and baskets .
Due to paraffinic composition **TORILIS PS** are compatible with saturated polymers (IIR, EPM, EPDM). Low compatibility with polar polymers (IR, NR, SBR, BR).

ADVANTAGES

- High viscosity index.
- Benefits from advanced refining.
- Low volatility
- Narrow distillation range

| TYPICAL CHARACTERISTICS | METHODS | UNITS | TORILIS PS | | | |
|-------------------------|-------------|--------------------|------------|-----|------|------|
| | | | 15 | 32 | 100 | 460 |
| Aspect | Visual | | Clear | | | |
| Colour | Visual | | Blue | | | |
| Density at 20 °C | ASTM D 4052 | kg/m ³ | 858 | 865 | 884 | 900 |
| Viscosity at 40 °C | ASTM D 445 | mm ² /s | 15 | 31 | 110 | 460 |
| Viscosity at 100 °C | ASTM D 445 | mm ² /s | 3,5 | 5,3 | 11,8 | 32,2 |
| Viscosità Index | ASTM D 2270 | -- | 103 | 103 | 97 | 97 |
| Flash point C.O.C.. | ASTM D 92 | °C | 198 | 218 | 252 | 300 |
| Pour point | ASTM D 97 | °C | -12 | -12 | -9 | -9 |
| Neutralization number | ASTM D 664 | mg KOH/g | <0,05 | | | |
| Carbon type composition | ASTM D 2140 | | | | | |
| | Cp | % | (62) | 65 | 63 | 66 |
| | Cn | % | (38) | 30 | 31 | 27 |
| | Ca | % | (zero) | 5 | 6 | 7 |

Above characteristics are mean values given as an information.