

Technical Data Sheet



DS 40

An ethylene-propylene copolymer (oligomer). A liquid polymer product that selectively polymerizes ethylene and propylene with metallocene catalyst.

Specifications and Properties

| Typical Properties | Test Method | Unit | Specification | Typical Value |
|---------------------------|-------------|---------|---------------|---------------|
| Colour (APHA) | ASTM D1209 | - | Max 20 | 10 |
| Kinematic Viscosity 100°C | ASTM D445 | cSt | 38 ~ 42 | 40 |
| Kinematic Viscosity 40°C | ASTM D445 | cSt | Report | 396 |
| Flash Point (COC) | ASTM D92 | °C | Min 260 | 265 |
| Pour Point | ASTM D6749 | °C | Max -34 | -43 |
| Specific Gravity @ 15/4°C | ASTM D4052 | - | Report | 0.84 |
| Total Acid Number | ASTM D974 | mgKOH/g | Max 0.1 | < 0.01 |
| Water | ASTM D664 | Wt-ppm | Max 50 | < 30 |

Applications

Lubricant Oil Additive (Viscosity Modifier)

- Engine oils
- Gear oils
- Hydraulic fluids
- Compressor oils

Greases

Polymer - Rubber Modifier (Property Improver)

- Automotive
- Appliances
- Wires & Cables

Characteristics

- Water white colour (clear transparent liquid)
- Excellent thickening efficiency
- Excellent stability of oxidant
- Superior shear stability
- Low pour points superior viscosity index (VI)

- Superior seal compatibility
- Non-staining characteristics (non-corrosive)
- Excellent electrical insulating properties
- No residue
- Non-odour non-toxic

Cautions and Recommendations

Health and safety information

For safe handling information on this product, consult the Safety Data Sheets (SDS)

Handling

- Wear protective gloves / protective clothing / eye protection / face protection
- Maintain below flash point, protect to leak of liquid or vapour
- Keep away from open flames, shut off the production of source of ignition (electricity/electricity sparks/heat/material of high temperature)
- Ground/bond all container and receiving equipment, use equipment of prevention of explosion
- Do not breathe vapor or mist when using this material. Avoid prolonged or repeated contact with skin. Avoid contact with eyes
- Empty containers may contain harmful, flammable/combustible or explosive residue or vapours
- Wash thoroughly after handling

Storage

- Keep container tightly closed in a cool, well-ventilated place.
- Keep container tightly closed before use.
- Avoid contact with incompatible materials.
- Keep away from heat, sparks, open flames, source of ignition.
- Suitable storage materials: mild steel/carbon steel.

Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suitable, and the information is applicable to the user's specific application.