



Plastol™ 537

ExxonMobil Specialties , Mozambique

Product Description

Plastol 537 is a paraffinic low-colour mineral oil, complying with the purity requirements defined by the United States Food and Drug Administration (FDA) in chapter CFR 178.3620(c). Although less refined than other Plastol technical white oil grades, it has a markedly better colour and colour stability than conventional rubber processing oils.

The quality of ExxonMobil White Oils is assured for every delivery. These products are produced and controlled according to the ExxonMobil Product Control Management System, EN ISO 9000 or equivalent standard.

Applications

Elastomers

- Plastol 537 is recommended as an extender oil in EPDM or EPDM-based Thermoplastic Olefinics (TPO) and Thermoplastic Vulcanisates (TPV). It provides improved stability against colour and mechanical degradation of EPDM bales during storage, when compared to conventional extender oils. Due to a much higher degree of refining leading to very low sulphur content, Plastol 537 is also well adapted to peroxide curing of EPDM or Thermoplastic Vulcanisates (EPDM).

Regulations and Claims

|                        |
|------------------------|
| This product meets     |
| FDA 21 CFR 178.3620(c) |

Properties and Specifications

| Property                            | Standard Method(a) | Typical | Min              | Max   |
|-------------------------------------|--------------------|---------|------------------|-------|
| Appearance                          | Visual             |         | Clear and Bright |       |
| ASTM Color                          | ASTM D1500         | 0.5     |                  | 1.0   |
| Kinematic Viscosity @ 40 C, mm2/s   | ASTM D445          |         | 90.0             | 116.0 |
| Kinematic Viscosity @ 100 C, mm2/s  | ASTM D445          | 11.4    |                  |       |
| Density @ 15 C, kg/m3               | ASTM D4052         | 880     |                  |       |
| Pour Point, °C                      | ASTM D97           |         |                  | -3    |
| Flash Point, Cleveland Open Cup, °C | ASTM D92           |         | 240              |       |
| Sulfur content, wt%                 | ASTM D4294         |         |                  | 0.20  |

Note 1: Products are certified on release to meet the values specified. Actual values may deviate within the established reproducibility of the test method specified.

Note 2: For purpose of determining conformance with specification, observed or calculated values shall be rounded off to the nearest unit in the last significant digit in expressing the limiting value in accordance to the ASTM E 29 method

(a) In lieu of standard test method, alternate test methods may be used for the certification of a product property.

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.as>

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