



## Plastol 537

ExxonMobil Specialties , Ghana

### 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 21 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 process oils.

The quality of ExxonMobil White Oils is assured for every delivery. These products are produced and controlled according to the ExxonMobil Product Quality 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).

### Properties and Specifications

Plastol 537 meets the requirements of the following regulations:

USA FDA 21 CFR 178.3620(c), Mineral Oil

Typical values may vary within modest ranges and specifications may be subject to change.

| Property | Test Method | Typical | Min | Max |
|----------|-------------|---------|-----|-----|
|----------|-------------|---------|-----|-----|

| Appearance                                      | Visual      |       | Clear and Bright | Clear and Bright |
|---|-------------|-------|------------------|------------------|
| Colour, ASTM                                    | ASTM D 1500 | 0.5   |                  | 1.0              |
| Kinematic Viscosity @ 40°C, mm <sup>2</sup> /s  | ASTM D 445  |       | 90.0             | 116.0            |
| Kinematic Viscosity @ 100°C, mm <sup>2</sup> /s | ASTM D 445  | 11.4  |                  |                  |
| Density @ 15°C, kg/m <sup>3</sup>               | ASTM D 4052 | 880   |                  |                  |
| Pour Point, °C                                  | ASTM D 97   |       |                  | -3               |
| Flash Point, °C                                 | ASTM D 92   |       | 240              |                  |
| Viscosity-Gravity Constant (VGC)                | ASTM D 2501 | 0.809 |                  |                  |
| Volatility, wt % loss @163°C, 5hrs              | ASTM D 6    | 0.15  |                  |                  |
| Sulphur content, wt %                           | ASTM D 4294 |       |                  | 0.20             |
| Carbon Type, %                                  | ASTM D 2140 |       |                  |                  |
| Paraffinic                                      |             | 66    |                  |                  |
| Naphthenic                                      |             | 29    |                  |                  |
| Aromatic  |             | 5     |                  |                  |

## Health and Safety

Detailed health and safety information for this product is provided in the Material Safety Data Sheet (MSDS), available upon request through your local sales representative or from [www.ExxonMobil.com](http://www.ExxonMobil.com)

## Further Information

ExxonMobil supplies a range of white oils, process oils, waxes, bitumen and a full range of other lubricants, fuels and chemical products worldwide. Please contact your local ExxonMobil representative, or contact us at [www.ExxonMobil.com](http://www.ExxonMobil.com), for more information on other products.

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05-2020

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