



Esso Domestic Oil/Regular Kerosene

Marketing Technical Bulletin

Product

Esso Domestic Oil or
Esso Regular Kerosene

Appearance

} Clear liquid,
Red/orange in colour.

Specification

} BS 2869: 2010 Class C2 and amendments

This product contains chemical markers, including Euromarker, added in accordance with relevant national Customs & Excise requirements.

Application

Small, domestic central heating/cooking units employing vaporising or pressure jet burners. Also used as an industrial solvent and for industrial/commercial processes where a low sulphur fuel is required.

Not recommended for use in unflued appliances or for CO₂ enrichment of glasshouse atmospheres. **DO NOT USE AS A FUEL FOR AVIATION PURPOSES**

Quality Data

| Parameter (BS-Methods) | Units | BS or HM Customs & Excise Limit | | Esso Typical |
|-----------------------------------|--------------------|------------------------------------|------|----------------|
| | | Min | Max | |
| Appearance | Visual | Clear & Bright | | Clear & Bright |
| Density @15°C | kg/m ³ | 750 | 840 | 801 |
| Viscosity @ 40°C | mm ² /s | 1.00 | 2.00 | 1.2 |
| Distillation Recovered @ 200°C | % V/V | 15 | - | 63 |
| Recovered @ 210°C | %V/V | - | 90 | 75 |
| Recovered @ 240°C | % V/V | 50 | - | 95 |
| Final Boiling Point | °C | - | 300 | 256 |
| Flash point | °C | 38.0 | - | 41 |
| Sulphur content | %(m/m) | - | 0.1 | 0.04 |
| Copper strip corrosion | rating | Class 1 | | Class 1 |
| Smoke point | mm | 19 | - | 24 |
| Char value | mg/kg | - | 20 | 11 |

Additional Technical Information

| | | | |
|---|-------|--------|----------|
| Specific Energy | Gross | 46.52 | MJ/kg |
| | Net | 43.58 | MJ/kg |
| Mean Specific Heat Capacity (between 0°C and 100°C) | | 2.077 | KJ/kg °C |
| Volume Correction Factor | | 0.0009 | Per °C |
| Freezing Point | | -48 | °C |

Useful Conversions

| Multiply this | By this | To obtain this |
|---------------|---------|-------------------|
| MJ/kg | 429.923 | Btu/lb |
| MJ/kg | Density | MJ/Litre |
| Kg/l | 1000 | Kg/m ³ |

| Divide this | By this | To obtain this |
|-------------|---------|----------------|
| MJ/litre | 105.506 | Therms/litre |

Specific Energy calculated using BS2869

'Typicals' are expected qualities based on recent historical data and should therefore not be considered a guarantee of quality

For Health & Safety information refer to the most current version of the product MSDS