



Paving Asphalt 80/100

ExxonMobil Asphalt , Singapore

PENETRATION GRADED ASPHALT PRODUCT

Product Description

Paving Asphalt 80/100 is a penetration graded asphalt product derived from specially selected crude oils via carefully controlled refining processes.

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

Applications

Paving Asphalt 80/100 is recommended for road construction. If other applications are considered, then users should conduct appropriate testing before use.

Properties & Specifications

Paving Asphalt 80/100 meets the following specification requirements:

| Asphalt | Units | Method | 80/100 |
|---|--------------------|----------------|-----------|
| Penetration at 25° C Note 1 | 0.1 mm | ASTM D 5 | 80-100 |
| Softening Point Note 2 | °C | ASTM D 36 | 45-52 |
| Ductility at 25° C, 5 cm/min (min) Note 2 | cm | ASTM D 113 | 150 |
| Ductility at 15° C, 5 cm/min (min) Note 2 | cm | ASTM D 113 | 100 |
| Wax Content (max) Note 2 | mass % | DIN EN 12606-1 | 2 |
| Specific gravity Note 2 | - | ASTM D 70 | 1.01-1.05 |
| Flash Point (min) Note 1 | °C | ASTM D 92 | 232 |
| Solubility in trichloroethylene (min) Note 1 | mass % | ASTM D 2042 | 99.5 |
| Viscosity at 60° C (AI 100 bulb C) (min) Note 3 | Pa.s | ASTM D 2171 | 115 |
| Viscosity at 135° C Note 3 | mm ² /s | ASTM D2170 | 300 - 650 |

Loss on heating at 163°C (ASTM D6)

| | | | |
|-----------------------------------|------|----------|-----|
| Change of mass (max) +/- *Note2 | wt % | ASTM D 6 | 0.2 |
| Retained penetration (min) Note 2 | % | ASTM D 5 | 80 |

Thin Film Oven Test at 163°C (ASTM D1754)

| | | | |
|---------------------------------|--------|-------------|-----|
| Change of mass (max) +/- *Note2 | mass % | ASTM D 1754 | 0.2 |
|---------------------------------|--------|-------------|-----|

| | | | |
|---|---------------|--------------------|------------|
| Change of mass (max) +/- *Note2 | mass % | ASTM D 1754 | 0.2 |
| Retained penetration (min) Note 2 | % | ASTM D 5 | 60 |
| Ductility at 25° C, 5 cm/min (min) Note 2 | cm | ASTM D 113 | 150 |

Rolling Thin Film Oven Test at 163°C (ASTM D2872)

| | | | |
|---|----------|-----------------|-----------|
| Penetration at 25° C as % of original (min) *Note3 | % | ASTM D 5 | 50 |
| Ductility at 25° C, 5 cm/min (min) Note 3 | cm | ASTM D 113 | 60 |

Note 1: Applies to all customers

Note 2: Applies to all customers except in New Zealand

Note 3: Applies to product supplied to customers in New Zealand only

Above specifications may be subject to change

Health & 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

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Further Information

ExxonMobil supplies a full range of bitumen, waxes, white oils, process oils 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 for more information on other products.

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