

LIQUID ASPHALTS

PG 58-37P

Product Data Sheet

Typical Analysis and Specifications



Liquid
Asphalts

Last Revised: January 2016

Supply Point: Acheson

| | Test | Method | Specification | Test Temperature | Typical Result | Units |
|-----------------|--|--------|---------------|------------------|----------------|-------|
| Original | Flash Point | T 48 | min 230°C | | 282 | °C |
| | Rotational Viscosity | T 316 | max 3000cP | 135°C | 390 | cP |
| | Dynamic Shear | T 315 | min 1.00 kPa | 58°C | 1.259 | kPa |
| | Predicted Failure | | | | 60.21 | °C |
| | Specific Gravity | T 228 | | 15°C | 1.0328 | |
| RTFO | Mass Change | T 240 | max 1.00% | 135°C | -0.613 | % |
| | Dynamic Shear | T 315 | min 2.20 kPa | 58°C | 3.77 | kPa |
| | Predicted Failure | | | | 63.39 | °C |
| PAV | <i>PAV aging conducted at 100°C as per AASHTO R 28</i> | | | | | |
| | Dynamic Shear | T 315 | max 5000 kPa | 13°C | 1816 | kPa |
| | Predicted Failure | | | | 8.16 | °C |
| | Creep Stiffness | T 313 | max 300 MPa | -27°C | 227 | MPa |
| | m-value | T 313 | min 0.300 | -27°C | 0.345 | |
| | Predicted Failure | | | | -39.12 | °C |
| | Direct Tension Testing | | | | | |
| | Failure Strain | T314 | min 1.00% | -24 | 2.27 | % |
| | Failure Stress | T314 | | -24 | 3.53 | MPa |
| | Critical Cracking | | | | -38.4 | °C |

| Laboratory Recommended Ranges | Low | High |
|---|-----|------|
| Mixing Temperature Range, Degrees C | 154 | 160 |
| Compaction Temperature Range, Degrees C | 142 | 148 |

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