



ZÜMRÜT INTERNATIONAL KİMYA SAN. VE TİC.LTD

T.D.S OF SBS MODIFID BITUMEN PG 58-16


Specification	Unit	Value	Method
Average 7-Day Maximum Pavement Design Temperature	°C	<58	–
Minimum Pavement Design Temperature	°C	> -16	–
Flash Point Temperature	°C	MIN230	AASHTO T48
Viscosity Maximum 3 Pa.s, Test Temperature	°C	135	AASHTO T316
Dynamic Shear G*/sin Minimum 2.2 KPa Test Temperature	°C	58	AASHTO T315
Rolling Thin Film Oven Test (T 240)			
Mass Change	%	MAX1.00	AASHTO T240
Dynamic Shear G*/sin Minimum 2.2 KPa Test Temperature, @10 rad/s	°C	58	AASHTO T315
Pressure Aging Vessel (PAV) Test (AASHTO R28)			
PAV Aging Temperature	°C	100	AASHTO R28
Dynamic Shear G*/sin Maximum 5000 KPa Test Temperature, @10 rad/s	°C	31	AASHTO T315
Creep Stiffness S Maximum 300 Mpa M-Value Minimum 0.300 Test Temp,@60s	°C	-6	AASHTO T313
Direct Tension Failure Strain Minimum 1 % Test Temp@1mm/min,	°C	-6	AASHTO T314
Critical Low Cracking Temperature Critical Cracking Determined by PP42 Test Temp	–	-6	AASHTO PP42


Applications of PG Bitumen 58-16


- **Residential and local roads:** Ideal for areas with low-to-moderate traffic.
- **Parking lots and driveways:** Provides a durable surface with reduced cracking and deformation risks.
- **Rural and secondary roads:** Performs well in regions with moderate temperature variations.

PACKAGING

- Performance Grade (PG) 58-16 is available in 0.6 mm thickness, 180 kg net weight drums, 95 cm height and 45 cm diameter (+/- 3 kg operational tolerance).

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