

PENETRATION BITUMEN GRADE 60 – 70 SPECIFICATIONS – PE

PROPERTIES	UNIT	VALUE	TEST METHOD
DENSITY @ 25 °C	kg / m ³	1010 – 1060	ASTM – D70 or D3289
PENETRATION @ 25 °C	mm / 10	60 – 70	ASTM – D5
SOFTENING POINT	°C	49 – 56 min.	ASTM – D36
DUCTILITY @ 25 °C	cm	100 min.	ASTM – D113
LOSS ON HEATING	Wt. %	0.2 max	ASTM – D6
DROP IN PENETRATION AFTER HEATING	%	20 max.	ASTM – D5
FLASH POINT	°C	232 min.	ASTM – D92
SOLUBILITY IN TRICHLOROETHYLENE	Wt. %	99.0 min.	ASTM – D2042
SPOT TEST	---	Negative	AASHTO – T102
DYNAMIC VISCOSITY @ 60 °C	Pa	2000 ± 40	ASTM – D2171
KINEMATIC VISCOSITY @ 135 °C	C.St	300 min.	ASTM – D2170
WAX CONTENT	%	2 max.	DIN – EN 12606-1
Tests on Residue From Thin Film Oven Test, 163 °C, 3.2 mm for 5 hrs (ASTM D1754)			
RETAINED PENETRATION AFTER T.F.O.T	%	min. 50	ASTM – D5
DUCTILITY @ 25 °C (5cm / min.cm) after T.F.O.T	min. 40	> 40	ASTM – D113
VISCOSITY RATIO @ 60 °C	max. 4.0	1.03	ASTM – D4402