






ZÜMRÜT İNTERNATİONAL KİMYA
TECHNICAL DATASHEET
PERFORMANCE GRADE BITUMEN PG 76-22

SPECIFICATION	UNIT	VALUE	METHOD
AVERAGE 7-DAY MAXIMUM PAVEMENT DESIGN TEMPERATURE	°C	<76	–
MINIMUM PAVEMENT DESIGN TEMPERATURE	°C	> -22	–
FLASH POINT TEMPERATURE	°C	>230	AASHTO T48
VISCOSITY, T 316, MAXIMUM 3 PAS, TEST TEMP, °C	°C	135	AASHTO T316
DYNAMIC SHEAR, T 315, G*/SIN MINIMUM 1.00 KPA TEST TEMPERATURE, @10 RAD/S, °C	°C	76	AASHTO T315
ROLLING THIN FILM OVEN TEST (T 240)			
MASS CHANGE, MAXIMUM, PERCENT	%	1.00	AASHTO T240
Dynamic Shear G*/sin Minimum 2.2 KPa Test Temperature, @10 rad/s	°C	>2.2	AASHTO T315
PRESSURE AGING VESSEL (PAV) TEST (AASHTO R28)			
DYNAMIC SHEAR, T 315, G*/SIN, MAXIMUM 5000 KPA TEST TEMPERATURE, @10 RAD/S	°C	31	AASHTO T315
CREEP STIFFNESS, T 313, S, MAXIMUM 300 MPA, M-VALUE, MINIMUM 0.300 TEST TEMPERATURE, @60S, °C	°C	-12	AASHTO T313
DIRECT TENSION, T 314, FAILURE STRAIN, MINIMUM 0.300 TEST TEMPERATURE, @60S, °C	°C	-12	AASHTO T 240
CRITICAL LOW CRACKING TEMP, PP42, CRITICAL CRACKING TEMP DETERMINED BY PP 42, TEST TEMP, °C	°C	-12	ASTM D8225

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