



ZÜMRÜT INTERNATIONAL KİMYA SAN. VE TİC.LTD

SBS MODIFİD BITUMEN / PG 76-16 TECHNICAL DATASHEET

Temperature: 25.0 °c		Humidity: 27 %		
TEST	RESULT	STANDARD RANGE		TESTS METHOD
		MIN	MAX	
Binder				
Penetration @ 25 ⁰ C, 100gr, 5s, O. Imm	53	40	70	ASTM D5
Elastic Recovery @ 25 ⁰ C, IOCM Elongation (%)	86	80	-	ASTM D6084
Softening point, °c	90	70	-	ASTM D36
Separation Difference in Softening Point R&B, °c	2.1	-	3	ASTM D7173
Ductility @ 25 ⁰ C	64	25	-	ASTM DI 13
Dynamic Viscosity at 135 ⁰ C (Brookfield Viscomeler), Pa.s	1.87	-	3	ASTM D4402
Penetration Index	4.4	2.25	5.25	ASTM D5 / D36
Solubility in TCE (0/0)	99.7	99	-	ASTM D2042
Flash Point Temp. °c	340	245	-	ASTM D92
Orig. Dynamic Shear @ 76 ⁰ C / Kpa	1.94	1	-	ASTM D7175
RTFO (D2872)				
Penetration of Residue (%)	73	65	-	ASTM D5
Ductility @ 25 ⁰ C	48	15	-	ASTM DI 13
Difference in Softening Point, °c	-5	-10	5	ASTM D36
RTFO Percent Change Of Mass	0.02	-	0.5	ASTM D1754
RTFO Dynamic shear @ 76 ⁰ C / Kpa	2.56	2.2	-	ASTM D7175
PAV (D6521)				
PAV - Dynamic Shear @ 34 ⁰ C / Kpa	652	-	5000	ASTM D7175
PAV Creep Stiffness @ -6 ⁰ C / Mpa	46.6	-	300	ASTM D6648
m-Value @ -6 ⁰ C / M a	0.321	0.3	-	ASTM D6648



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