



ZÜMRÜT INTERNATIONAL KİMYA SAN. VE TİC.LTD

Specification of Polymer Modified Bitumen (PMB)

Property	Units	PMB 10/40-70	PMB 25/55-65	PMB 45/80-60	PMB 45/80-65	PMB 45/80-75	PMB 75/130-60	Test Method UNE-EN
Penetration @25°C	0.1mm	Oct-40	25-55	25-55	45-80	45-80	75-130	1426
Softening point	°C	≥ 70	≥ 65	≥ 60	≥ 65	≥ 75	≥ 60	1427
Cohesion. Strength- ductility	J/cm2	≥ 2 a 15°C	≥ 2 a 15°C	≥ 2 a 15°C	≥ 2 a 15°C	≥ 2 a 15°C	≥ 2 a 15°C	13589
								13703
Fraass breaking point	°C	≤ -5	≤ -7	≤ -12	≤ -15	≤ -15	≤ -15	12593
Elastic recovery at 25°C	%	TBR	≥ 50	≥ 50	≥ 70	≥ 80	≥ 60	13398
Stability in storage	°C	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	13399
Difference in								1427
softening point								
Stability in storage	0.1mm	≤ 9	≤ 9	≤ 9	≤ 9	≤ 13	≤ 13	13399
Difference in								1426
penetration poin								
Flash point	°C	≥ 235	≥ 235	≥ 235	≥ 235	≥ 235	≥ 220	ISO 2592
Resistance to Hardening @163°C								
Change of mass	%	≤ 0.8	≤ 0.8	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	12607-1
Retained penetration	%	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	1426
Increase in softening point	°C	≤ 8	≤ 8	≤ 10	≤ 10	≤ 10	≤ 10	1427
Decrease in softening point	°C	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	1427



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