Techno CRMB – Crumb Rubber Modifire Bitumen

TECHNOBIT
INDUSTRIES PVT. LTD.

PROPERTIES OF Techno POLYMER AND RUBBER MODIFIED BITUMEN

Designation	Elastomeric Thermoplastic Based			Plastomeric Thermoplastic Based			Crumb Rubber Modified Binders			Method of tests
	PMB 120	PMB 70	PMB 40	PMB 120	PMB 70	PMB 40	CRMB 50	CRMB 55	CRMB 60	
Penetration at 25°C, 0.1mm,100g.5 Sec	90 to 150	50 to 90	30 to 50	90 to 150	50 to 90	30 to 50	< 70	< 60	< 60	IS: 1203-1978
Saftening Point (R&B)°C Minimum	50	55	60	50	55	60	50	55	60	IS:1205 - 1978
Ductility at 27°C cm.	+ 75	+ 60	+ 50	+ 50	+ 40	+ 30	-	-	-	IS:1208 - 1978
Fraass Breaking Point°C Max	- 24	- 18	- 12	- 20	- 16	- 12	-	-	-	IS:9381 - 1979
Flash Point by COC°C Minimum	220	220	220	220	220	220	220	220	220	IS:1209 - 1978
Elastic Recovery of Half Thread in Ductilometer at 15°C, %, Min	75	75	75	50	50	50	50	50	50	Appendix-1 IRC:SP:53 2002
Separation Di saftening Point R&B°C, Maximum	3	3	3	3	3	3	4	4	4	Appendix-2 IRC:SP:53 2002
Viscosity at 150°C poise	1 - 3	2 - 6	3 - 9	1 - 3	2 - 6	3 - 9	-	-	-	IS:1206 - 1978
Loss in Weight, %, Maximum	1.0	1.0	1.0	1.0	1.0	1.0	-	-	-	IS:9382 - 1979
Increase in Saftening Point °C, Maximum	7	6	5	7	6	5	7	6	5	IS:12QS.1978
Reduction in Penetration of Residue at 25°C, Maximum	35	35	35	35	35	35	-	-	-	IS:1203 - 1978
Penetration at 25°C 0.1 mm, 100g, 5 Sec. Minimum % of original	-		-	-	-	-	60	60	60	IS:1203 - 1978
Elastic Recovery of Half thread in Ductilometer at 25°C, % Minimum	50	50	50	35	35	35	35	35	35	Appendix-1 IRC:SP:53 2002