

PROPERTIES OF Techno POLYMER AND RUBBER MODIFIED BITUMEN

Sr.No	Development	VG-10	VG-30	VG-40	BIT 10/20
1.	Absolute viscosity at 60°C, poises, Min.	800	2400	3200	-
2.	Kinematic viscosity at 135 °C, cSt, Min.	250	350	400	-
3.	Flash point cleave land open cup, °C, Min.	220 °C	220 °C	220 °C	-
4.	Penetration at 25 °C,100 gm5 sec, 1/10 mm	80 - 100	50 - 70	40 - 60	15 ± 5
5.	Softening point (R&B), °C., Min	40 °C	47 °C	50 °C	65 ± 10
6.	Matter soluble in Trichloroethylene, % by mass, Min.	99	99	99	95%
7.	Thin Film Oven Test, on Residue Viscosity ratio at 60° C, Max.	4.0	4.0	4.0	-
8.	Ductility at 25° C, cm, after TFOT Min.	75	40	25	-
9.	Loss on heating, oven test % by mass, Max.	-	-	-	2.0
10.	Ash, % by mass , Max.	-	-	-	1.0

