

SBS THERMOPLASTIC ELASTOMER

ENPRENE® TYPICAL PROPERTIES.	TEST METHOD	611	701	655 Clear	675	684	685
Structure		Radial	Linear	Linear	Radial	Radial	Radial
Butadiene/styrene ratio.	ASTM D1416	70/30	67/33	60/40	60/40	56/44	67/33
Polystyrene block		30	33	40	40	44	33
Oil content, PHR	ASTM D1416	0	0	0	50	50	45
Toluene solution viscosity(5.0%), CPS	ECCA 116	24	14	-	-	-	-
Hardness (shore A)	ASTM D2240	83	80	88	62	72	48
Volatile material (wt.%)	ASTM D1416	0.4	0.4	0.3	0.5	0.5	0.5
Ash (wt.%)	ASTM D1416	0.2	0.2	0.2	0.2	0.2	0.2
Tensile strength (kg/cm²)	ASTM D412	200	220	190	50	60	45
300% Modulus (kg/cm²)	ASTM D412	30	35	30	12	15	11
Elongation (%)	ASTM D412	700	600	800	700	800	750
Tear strength(kg/cm)	ASTM D624	45	55	60	28	30	20
Specific gravity	ASTM D792	0.93	0.93	0.95	0.93	0.93	0.92
Color		White	White	White	Very Light	Very Light	Very Light
Melt index, g/10 minutes *	ASTM D1238	-	-	4	7	7	17
*190 degrees C – 5kg							