

THERMOPLASTIC ELASTOMER SIS/SBS/SEBS

Property & Usage

SumTac™ Thermoplastic Elastomer SIS is a linear styrene-isoprene-styrene block copolymer and thermoplastic rubber. It has many superior characters including thermoplasticity, initial adhesion, high elasticity, low melting index, solution viscosity, good compatibility with tackifying resin, etc.

Usage widely in resin compound, adhesives, paints, plastics, bitumen and many industries like PSA (pressure sensitive adhesive), HMA (hotmelt adhesive), tapes, labels, packs, sanitary pads, daily diapers, napkins, etc.

SumTac™ Thermoplastic Elastomer SBS is styrene-butadiene-styrene block copolymer. It has both rubber and plastic characters with excellent low temperature endurance, ventilating and wet-and-slipping, resistance. It is easy for molding, coloring, processing, etc.

Usage widely in shoes making, adhesives, waterproof materials, modification of higher polymer and road bitumen, cable and toys.

SumTac™ Thermoplastic Elastomer SEBS is a selective hydrogenated SBS. It has excellent high temperature & aging resistance.

Usage for highly elastic products, packing material polymer modification, adhesive, sealant, medical treatment equipment and fillers of wires and cables.

Technical Data Sheet (TDS-9800)

THERMOPLASTIC ELASTOMER RUBBER	SIS #1124 #1126	SIS #1105 #1106	SIS #4015	SBS YH791 YH792	SEBS YH501 YH502	SEBS YH561 YH602
Appearance & color *	standard	standard	standard	standard	standard	standard
Tensile strength (MPa), min.	6 & 4	7 & 10	8	15 & 24	16 & 18	16 & 18
Melt flow rate (g/10minutes)	6-16	8-17	8-16	0.1-5	-	-
Volatility (mass fraction), max.	0.7%	0.7%	0.7%	0.7%	1%	1%
Shore hardness (A)	32 +/- 4	35-50	35 +/- 4	68 & 85	68	75 & 80
Stress at 300% (MPa), min.	-	-	-	2 & 3.5	3	4 & 3
Elongation (%), min.	-	-	-	700&730	450	400
Permanent deformation, max.	-	-	-	40%&55%	50%	50%
Degree of hydrogenation	-	-	-	-	97	97

* Standard : white or light color porous granular.

Package & Notes

Package	20'FCL load	20'FCL palletized
20kg net kraft polybag	13mt (650bags)	12mt (600bags)
Structural	Storage	
Q/SH 1085 041-2010	In cool place, avoid fire and high temperature.	

