

Kraton® D1184 A (SBS) Branched Block Copolymer

Category : Polymer , Thermoplastic , Styrene-Butadiene , Styrene/Butadiene/Styrene (SBS)

Material Notes:

Description: Kraton D1184 A is a clear, branched block copolymer based on styrene and butadiene with bound styrene of 30% mass. It is supplied from Europe in the physical forms identified as follows in the grade nomenclature: Kraton D1184 AS - supplied as porous pellets dusted with amorphous silicaKraton D1184 AT - supplied as porous pellets dusted with talcKraton D1184 ASM - supplied as powder dusted with amorphous silicaKraton D1184 AIM - supplied as powder dusted with calcium carbonate for supply to the North American marketRegion: North America, Europe, Asia Pacific, Japan, and South America Uses: Kraton D1184 A polymer is used as a modifier of bitumen in roofing felt compounds, roads and pipe coating. It may also be suitable for use in formulating adhesives, sealants and coatings and in the modification of polymers.Applications: Adhesives, Sealant and Coatings; Bitumen Modification; Compounding and Personal Hygiene; Footwear; Impact Modification; Medical; Packaging and Polymod; Personal Care; and Roads and RoofingInformation provided by Kraton®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D1184-A-SBS-Branched-Block-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ISO 2781
Bulk Density	0.400 g/cc	0.0145 lb/in ³	ASTM D 1895 method B
Volatiles	<= 0.30 %	<= 0.30 %	KM 04
Viscosity	1000 - 1400 cP	1000 - 1400 cP	25% Toluene Solution at 25°C; KM 06
Melt Flow	<= 1.0 g/10 min @Load 5.00 kg, Temperature 200 °C	<= 1.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ISO 1133
Ash	<= 0.40 %	<= 0.40 %	AS, AT; ISO 247
	2.5 - 5.0 %	2.5 - 5.0 %	ASM, Milled product with silica dusting agent; ISO 247
	4.0 - 6.0 %	4.0 - 6.0 %	AIM, Milled product with calcium carbonate dusting agent; ISO 247

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75 @Time 30.0 sec	75 @Time 0.00833 hour	ISO 868
Tensile Strength	27.0 MPa	3920 psi	ISO 37
Elongation at Break	820 %	820 %	ISO 37
300% Modulus	0.00250 GPa	0.363 ksi	ISO 37

Mechanical Properties Descriptive Properties	Metric Value	English Comments	Comments
Content	Antioxidant	>0.14%, Only refers to primary antioxidant content, KM 08	
	Polystyrene	29-31%, KM 03	
	Total Extractables	<1.4%, KM 05	

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