

## Kraton® D1186 E (SBS) Branched Block Copolymer

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

### Material Notes:

Description: Kraton D1186 E 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: D1186 ES - supplied as porous pellets dusted with an amorphous silicaD1186 ESM - supplied as powder dusted with amorphous silicaRegion: North America, Europe, Asia Pacific, Japan, and South America Uses: Kraton D1186 E 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-D1186-E-SBS-Branched-Block-Copolymer.php](http://www.lookpolymers.com/polymer_Kraton-D1186-E-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 <sup>3</sup>	ASTM D 1895 method B
Volatiles	<= 0.30 %	<= 0.30 %	KM 04
Viscosity	1000 - 1400 cP	1000 - 1400 cP	15% 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 %	ES; ISO 247
	2.5 - 5.0 %	2.5 - 5.0 %	ESM; ISO 247

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	74 @Time 30.0 sec	74 @Time 0.00833 hour	ISO 868
Tensile Strength	24.0 MPa	3480 psi	ISO 37
Elongation at Break	800 %	800 %	ISO 37
300% Modulus	0.00300 GPa	0.435 ksi	ISO 37

Descriptive Properties	Value	Comments
Content	Antioxidant	<0.25%, KM 08

Descriptive Properties	Polystyrene Value	29-31%, KM 03 Comments
	Total Extractables	<1.4%, KM 05

**Contact Songhan Plastic Technology Co.,Ltd.**

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