

## Kraton® D1101 E (SBS) Liner Block Copolymer

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

### Material Notes:

Description: Kraton D1101 E polymer is a clear, linear block copolymer based on styrene and butadiene with bound styrene of 31% mass. It is supplied from Europe in the physical forms identified as follows in the grade nomenclature: D1101 ET - supplied as porous pellets dusted with talc; D1101 ES - supplied as porous pellets dusted with amorphous silica; D1101 ESM - supplied as powder dusted with amorphous silica. Region: Asia Pacific, Europe, Japan, North America and South America. Uses: Kraton D1101 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: Bitumen Modification; Adhesives, Sealant and Coatings; Compounding and Personal Hygiene; Footwear; Impact Modification; Medical; Packaging and Polymod; Personal Care; and Roads and Roofing. Information provided by Kraton®

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kraton-D1101-E-SBS-Liner-Block-Copolymer.php](http://www.lookpolymers.com/polymer_Kraton-D1101-E-SBS-Liner-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	3000 - 5000 cP	3000 - 5000 cP	25% Toluene Solution; 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	0.15 - 0.40 %	0.15 - 0.40 %	ET; ISO 247
	0.15 - 0.40 %	0.15 - 0.40 %	ES; ISO 247
	2.5 - 5.0 %	2.5 - 5.0 %	ESM; ISO 247

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	72 @Time 10.0 sec	72 @Time 0.00278 hour	Measure on compression molded slabs; ISO 868
Tensile Strength	33.0 MPa	4790 psi	measured on films cast from a solution in toluene; ISO 37
Elongation at Break	880 %	880 %	Measured on films cast from a solution in toluene; ISO 37
300% Modulus	0.00290 GPa	0.421 ksi	measured on films cast from a solution in toluene; ISO 37

Descriptive Properties	Value	Comments
Content	Antioxidants	0.15-0.4%, KM 08
	Polystyrene	30-32%, KM 03
	Total Extractables	<1.0%, KM 05

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