

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

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

### Material Notes:

**Description:** Kraton D1101 A 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 AT - supplied as porous pellets dusted with talc; D1101 AS - supplied as porous pellets dusted with amorphous silica; D1101 ASM - supplied as powder dusted with amorphous silica; D1101 AIM - supplied as powder dusted with calcium carbonate for supply to the North American market; D1101 AU - supplied as porous pellets undusted. **Region:** Asia Pacific, Europe, Japan, North America and South America. **Uses:** Kraton D1101 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:** 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-A-SBS-Liner-Block-Copolymer.php](http://www.lookpolymers.com/polymer_Kraton-D1101-A-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 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	<= 0.20 %	<= 0.20 %	AU; ISO 247
	<= 0.40 %	<= 0.40 %	AS; ISO 247
	<= 0.40 %	<= 0.40 %	AT; ISO 247
	2.5 - 4.5 %	2.5 - 4.5 %	AIM; BAM 908
	2.5 - 5.0 %	2.5 - 5.0 %	ASM; 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

Mechanical Properties	Metric	English	Comments
300% Modulus	0.00290 GPa	0.421 ksi	Measured on films cast from a solution in toluene; ISO 37 measured on films cast from a solution in toluene; ISO 37

Descriptive Properties	Value	Comments
Content	Antioxidant	>0.14%, KM 08
	Polystyrene	30-32%, KM 03
	Total Extractables	<1.0%, KM 05

## Contact Songhan Plastic Technology Co.,Ltd.

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