

Kraton® D2104 DI-N (SBS) Compound

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

Material Notes:

Description: Kraton D2104 DI-N is an easy processing, general purpose material designed for a wide variety of applications. It is supplied from North America in the physical form identified: D2104 DI-N - supplied as a translucent dense pellet
Region: North America, Europe, Asia Pacific, Japan, and South America
Applications: Adhesives, Sealant and Coatings; Bitumen Modification; Compounding and Personal Hygiene; Footwear; and Impact Modification
Information provided by Kraton®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D2104-DI-N-SBS-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 - 0.940 g/cc	0.900 - 0.940 g/cc	BAM 1014
Linear Mold Shrinkage, Flow	0.025 - 0.027 cm/cm	0.025 - 0.027 in/in	
Melt Flow	14 - 24 g/10 min @Load 5.00 kg, Temperature 200 °C	14 - 24 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30 - 40	30 - 40	Value of product extruded at 175°C; BAM 1003
Tensile Strength	7.93 MPa	1150 psi	Transverse Direction; Injection molded sample tested at 10 in/min with Die D; ASTM D412
	9.65 MPa	1400 psi	Machine Direction; Injection molded sample tested at 10 in/min with Die D; ASTM D412
Elongation at Break	1200 %	1200 %	Machine Direction; Injection molded sample tested at 10 in/min with Die D; ASTM D412
	1300 %	1300 %	Transverse Direction; Injection molded sample tested at 10 in/min with Die D; ASTM D412
100% Modulus	0.000517 GPa	0.0750 ksi	Transverse Direction; Injection molded sample tested at 10 in/min with Die D; ASTM D412
	0.00151 GPa	0.219 ksi	Machine Direction; Injection molded sample tested at 10 in/min with Die D; ASTM D412
300% Modulus	0.00103 GPa	0.149 ksi	Transverse Direction; Injection molded sample tested at 10 in/min with Die D; ASTM D412
	0.00241 GPa	0.350 ksi	Machine Direction; Injection molded sample tested at 10 in/min with Die D;

Mechanical Properties	Metric	English	ASTM D412 Comments
Processing Properties	Metric	English	Comments
Rear Barrel Temperature	171 - 182 Â°C	340 - 360 Â°F	
Middle Barrel Temperature	177 - 193 Â°C	350 - 380 Â°F	
Front Barrel Temperature	188 - 199 Â°C	370 - 390 Â°F	
Mold Temperature	10.0 - 37.8 Â°C	50.0 - 100 Â°F	
Injection Pressure	3.549 - 4.928 MPa	514.7 - 714.7 psi	
Back Pressure	0.276 - 0.414 MPa	40.0 - 60.0 psi	

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