



KRATON® D2104 DI-N

Kraton Polymers LLC - Styrene Butadiene Styrene Block Copolymer

Friday, December 18, 2015

General Information

Product 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 below:

- D2104 DI-N - supplied as a translucent dense pellet

General

Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Features	• Good Processability
Appearance	• Clear/Transparent
Forms	• Pellets

ASTM & ISO Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	0.900 to 0.940	0.900 to 0.940	Internal Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	14 to 24 g/10 min	14 to 24 g/10 min	ASTM D1238
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress ^{2, 3}			ASTM D412
Across Flow : 100% Strain	75.0 psi	0.517 MPa	
Flow : 100% Strain	220 psi	1.52 MPa	
Across Flow : 300% Strain	150 psi	1.03 MPa	
Flow : 300% Strain	350 psi	2.41 MPa	
Tensile Strength ^{2, 3}			ASTM D412
Across Flow : Yield	1150 psi	7.93 MPa	
Flow : Yield	1400 psi	9.65 MPa	
Tensile Elongation ^{2, 3}			ASTM D412
Across Flow : Break	1300 %	1300 %	
Flow : Break	1200 %	1200 %	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			Internal Method
Shore A, 347°F (175°C), Extruded	30 to 40	30 to 40	

Notes

¹ Typical properties: these are not to be construed as specifications.

² Die D, 10 in/min (250 mm/min)

³ Injection Molded

Copyright ©, 2015 PolyOne Distribution Company The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained therefrom. The information is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance. Because of the variation in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the application disclosed. Full-scale testing and end product performance are the responsibility of the user. PolyOne Distribution Company shall not be liable for and the customer assumes all risk and liability of any use or handling of any material beyond PolyOne Distribution Company's direct control. PolyOne Distribution Company MAKES NO WARRANTIES, EXPRESS OR IMPLIED, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered as permission, recommendations, nor as an inducement to practice any patented invention without permission of the patent owner.