

Kraton® D1102 + PP blend (25/75)

Category : Polymer , Thermoplastic , Elastomer, TPE , Polypropylene (PP)

Material Notes:

Unmodified polypropylene has high rigidity and good heat resistance, but poor impact resistance, especially at low temperatures. Blending KRATON D and G polymers with PP significantly improves the toughness at both room and low temperatures. KRATON polymers are block segments of styrene and rubber monomers (A-B, A-B-A, or [A-B]_n). The KRATON D series consists of an unsaturated polymer, either butadiene or isoprene, as the rubber monomer. Information provided by the manufacturer, Kraton® Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D1102-PP-blend-2575.php

Physical Properties	Metric	English	Comments
Melt Flow	2.5 g/10 min	2.5 g/10 min	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	25.5 MPa	3700 psi	
Tensile Strength, Yield	22.5 MPa	3260 psi	
Flexural Modulus	1.05 GPa	152 ksi	
Izod Impact, Notched	1.68 J/cm @Temperature 0.000 °C	3.15 ft-lb/in @Temperature 32.0 °F	3.2 mm (0.125 in) notch
	4.16 J/cm @Temperature 23.0 °C	7.79 ft-lb/in @Temperature 73.4 °F	3.2 mm (0.125 in) notch
Falling Dart Impact	>= 244 J	>= 180 ft-lb	Falling weight impact at 23°C (73.4°F)

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