

Kraton® D1102 + HDPE blend (20/80)

Category : Polymer , Film , Thermoplastic , Elastomer, TPE , Polyethylene (PE) , HDPE

Material Notes:

Blending KRATON D and G polymers with PE 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. The high softening point of the HDPE and the low glass transition temperatures of the D1102 elastomeric midblock give the films a broad range of service temperatures, from below freezing to above boiling. All properties listed below are measured on blown film, 1 mil (25 microns) thick. Information provided by the manufacturer, Kraton® Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D1102-HDPE-blend-2080.php

Physical Properties	Metric	English	Comments
Melt Flow	0.69 g/10 min	0.69 g/10 min	

Mechanical Properties	Metric	English	Comments
Tensile Impact Strength	31.0 kJ/m ²	14.8 ft-lb/in ²	Machine direction
	128 kJ/m ²	60.9 ft-lb/in ²	Transverse
Elmendorf Tear Strength MD	665 g	665 g	
Elmendorf Tear Strength TD	230 g	230 g	
Dart Drop Test	161 g	0.355 lb	Using 2 in. (0.508 cm) dia dart, 60 in. (774 cm) drop height.

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