

I. Stern IS-35955 High Density Polyethylene, Blow Molding Grade

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

Features:IS-35955 is designed for applications requiring excellent stiffness and stress crack resistance properties.Meets all requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contactApplicationsGeneral purpose blow molding and sheet extrusionInformation provided by I. Stern & Co. Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_I-Stern-IS-35955-High-Density-Polyethylene-Blow-Molding-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.955 g/cc	0.955 g/cc	ASTM D1238
Environmental Stress Crack Resistance	35 hour	35 hour	Condition B; ASTM D1693
	45 hour	45 hour	Condition A; ASTM D1693
Melt Flow	0.35 g/10 min	0.35 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.6 MPa	4000 psi	ASTM D638
Elongation at Yield	600 %	600 %	ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= 82.2 Â°C	<= 180 Â°F	ASTM D746

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