

I. Stern IS-35955

High Density Polyethylene

I. STERN & CO. INC.

Message:

HDPE IS-35955 - Blow Molding Grade

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 contact.

Applications

General purpose blow molding and sheet extrusion.

General Information			
Features	General Purpose		
	High ESCR (Stress Crack Resist.)		
	High Stiffness		
Uses	General Purpose		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow Molding		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.0345	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	0.35	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			
--	45.0	hr	ASTM D1693A
--	35.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.6	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	1380	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< 82.2	°C	ASTM D746

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