

MTEGRITY™ HDPE HD300

High Density Polyethylene Copolymer

M. Holland Company

Message:

MTEGRITY™HDPE HD300 is a high-density polyethylene copolymer product. It can be processed by injection molding and is available in North America. MTEGRITY™The application areas of HDPE HD300 include foam and containers.

Features include:

High resistance to environmental stress fracture (ESCR)

Impact resistance

General Information			
Features	High ESCR (Stress Cracking Resistance) Impact resistance, high		
Uses	Structural Foam Barrel		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.951	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.3	MPa	ASTM D638
Tensile Elongation (Break)	1000	%	ASTM D638
Flexural Modulus	1210	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	126	°C	ASTM D1525
Additional Information			

Tensile Elongation @ Brk, ASTM D638: > 1000%

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