

MTEGRITY™ HDPE HD700

High Density Polyethylene Copolymer

M. Holland Company

Message:

MTEGRITY™HDPE HD700 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 HD700 include kitchen utensils, containers and consumer goods.

Features include:

- High resistance to environmental stress fracture (ESCR)
- high liquidity
- Copolymer
- Good stiffness

General Information			
Features	Rigid, good		
	High ESCR (Stress Cracking Resistance)		
	Copolymer		
	High liquidity		
Uses	Cup		
	Food container		
	Toys		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.949	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	33	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.8	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	121	°C	ASTM D1525
Additional Information			

Tensile Elongation @ Brk, ASTM D638: < 100%

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