

MTEGRITY™ PS High Impact IS300

High Impact Polystyrene

M. Holland Company

Message:

MTEGRITY™ PS High Impact IS300 is a High Impact Polystyrene product. It can be processed by injection molding and is available in North America. Applications of MTEGRITY™ PS High Impact IS300 include consumer goods, electrical/electronic applications and household applications. Characteristics include:
High Flow
Impact Modified

General Information			
Additive	Impact Modifier		
Features	High Flow		
	Impact Modified		
	Medium Gloss		
Uses	Audio Tapes		
	Household Goods		
	Toys		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.8	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2150	MPa	ASTM D790
Flexural Strength	43.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	91.1	°C	ASTM D648

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