

Trademark PE HDP0449

High Density Polyethylene
Trademark Plastics Corporation

Message:

Trademark PE HDP0449 is a High Density Polyethylene product. It can be processed by pipe extrusion or profile extrusion and is available in North America. Applications of Trademark PE HDP0449 include electrical/electronic applications, plumbing/piping/potable water and sheet.

Characteristics include:

- Good Processability
- Good Toughness
- High Stiffness

General Information			
Features	Good Processability		
	Good Toughness		
	High Stiffness		
Uses	Conduit		
	Corrugated Pipe		
	Profiles		
	Sheet		
Processing Method	Pipe Extrusion		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.40	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 1000	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.8	MPa	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Flexural Modulus	1110	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	76.0	°C	ASTM D648

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