

Trademark PE HLP9947

High Density Polyethylene
Trademark Plastics Corporation

Message:

Trademark PE HLP9947 is a High Density Polyethylene product. It can be processed by pipe extrusion and is available in North America. Applications of Trademark PE HLP9947 include plumbing/piping/potable water and mining applications. Primary characteristic: high strength.

General Information			
Features	Good Crack Resistance		
	High Strength		
Uses	Mining Applications		
	Piping		
Agency Ratings	PPI PE-4710		
Processing Method	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.947	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 24.1	MPa	ASTM D638
Tensile Elongation (Break)	> 700	%	ASTM D638
Flexural Modulus	831	MPa	ASTM D790
Hydrostatic Design Basis			ASTM D2837
23°C	11.0	MPa	
60°C	6.89	MPa	
PENT - Slow Crack Growth	> 500	hr	ASTM F1473

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