

Marlex® H525

High Density Polyethylene

Chevron Phillips Chemical Company LLC

Message:

Marlex® H525 is a High Density Polyethylene material. It is available in Latin America or North America for pipe extrusion.

Typical application of Marlex® H525: Plumbing/Piping/Potable Water

General Information			
Features	Good Crack Resistance		
Uses	Piping		
Agency Ratings	ASTM D 4976-PE235		
	NSF 14 2		
	NSF 61 2		
	PPI PE-4710 2		
Processing Method	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.948	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	9.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	> 24.0	MPa	ASTM D638
Tensile Elongation ² (Break)	> 700	%	ASTM D638
Flexural Modulus - 2% Secant ³	830	MPa	ASTM D790
Hydrostatic Design Basis			ASTM D2837
23°C	11.0	MPa	
60°C	6.90	MPa	
Minimum Required Strength	8.00	MPa	ISO 9080
PENT	> 500	hr	ASTM F1473
NOTE			
1.	Type IV, 51 mm/min		
2.	Type IV, 51 mm/min		
3.	13 mm/min		

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Recommended distributors for this material

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