

# Marlex® 9332

High Density (HMW) Polyethylene

Chevron Phillips Chemical Company LLC

## Message:

This broad molecular weight distribution, high molecular weight ethylene-hexene copolymer is tailored for conduit pipe applications that require:

Outstanding processability

Superior melt strength

Excellent slow crack growth resistance

Good balance between pipe stiffness and toughness

Typical conduit pipe applications for 9332 include:

Telecommunications

Data transmission

Electrical

This resin meets these specifications:

ASTM F2160

ASTM D3350, Cell Class PE335430A

General Information			
Features	Rigid, good		
	hexene comonomer		
	Workability, good		
	Wide molecular weight distribution		
	Good cracking resistance		
	Good melt strength		
	Good toughness		
Uses	Catheter		
	Electrical/Electronic Applications		
	Communication Equipment		
Agency Ratings	ASTM D 3350 PE335430A		
	ASTM F 2160		
Physical	Nominal Value	Unit	Test Method
Density	0.943	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.31	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal, molded, F10)	> 100	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Compression Molded)	20.7	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Compression Molded)	500	%	ASTM D638

Flexural Modulus - 2% Secant <sup>3</sup> (Compression Molded)	841	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746
Thermal Stability	> 220	°C	ASTM D3350
NOTE			
1.	Type 4, 51mm/min		
2.	Type 4, 51mm/min		
3.	13 mm/min		

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#### Recommended distributors for this material

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