

## Chevron Phillips Marlex® HP132 High Density Polyethylene, Pressure Pipe Grade

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Pipe Grade

### Material Notes:

This high performance PE 4710 HDPE is tailored for the demands of pressure pipe applications that require:Excellent long-term hoop strengthSuperb resistance to slow crack growthExceptional resistance to rapid crack propagationOutstanding low-temperature toughnessAdditional InformationMeets ASTM D4796 - PE 235NSF Third party D2513 certifiedNSF CSA B137.1 and B137.4 certifiedTypical applications for HP132 include:Gas distributionPotable waterIndustrialWhen blended with an approved black concentrate, the material meets or exceeds:ASTM D3350, class 445574C and 445576CNSF Standards 14 and 61 for potable waterPPI designations PE 4710 and PE 100Information provided by Chevron Phillips Chemical Company LP.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chevron-Phillips-Marlex-HP132-High-Density-Polyethylene-Pressure-Pipe-Grade.php](http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-HP132-High-Density-Polyethylene-Pressure-Pipe-Grade.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.949 g/cc	0.949 g/cc	ASTM D1505
Melt Flow	9.0 g/10 min	9.0 g/10 min	ASTM D1238
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
PENT	>= 10000 hour	>= 10000 hour	ASTM F1473
Tensile Strength, Yield	>= 25.5 MPa	>= 3700 psi	2 in/min, Type IV bar; ASTM D638
Elongation at Break	>= 700 %	>= 700 %	2 in/min, Type IV bar; ASTM D638
Flexural Modulus	0.965 GPa	140 ksi	2% Secant; ASTM D790
Hydrostatic Design Basis	6.90 MPa	1000 psi	ASTM D2837
	@Temperature 60.0 °C	@Temperature 140 °F	
	11.0 MPa	1600 psi	ASTM D2837
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Descriptive Properties	Value	Comments
Minimum Required Strength	10.0 MPa	ISO 9080
Notched Pipe Test	500	ISO 13479, 80°C
Rapid Crack Propagation	12 bar	ISO 13477, 0°C

## **Contact Songhan Plastic Technology Co.,Ltd.**

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