

For more information and technical assistance contact:

Chevron Phillips Chemical Company LP
P.O. Box 4910
The Woodlands, TX 77387-4910
800.231.1212



PREMIUM EXTRUSION AND RIGID PACKAGING RESINS

Marlex[®] HHM TR-457

HIGH DENSITY POLYETHYLENE

This hexene copolymer is tailored for corrugated pipe applications that require:

- Good melt strength
- Good pipe stiffness
- Excellent ESCR

This resin meets these specifications:

- ASTM D4976 – PE 235
- AASHTO M294
- ASTM D3350, class PE445540A

Typical corrugated pipe applications for HHM TR-457 include:

- Culverts
- Storm sewers
- Land drainage

Nominal Resin Properties ⁽¹⁾	English	SI	Method
Density	---	0.953 g/cm ³	ASTM D1505
Flow Rate , (HLMI, 190/21.6)	---	17.5 g/10 min	ASTM D1238
Tensile Strength at Yield , 2 in/min, Type IV bar	3,700 psi	26 MPa	ASTM D638
Elongation at Break , 2 in/min, Type IV bar	700%	700%	ASTM D638
Flexural Modulus , 2% Secant, 16:1 span:depth, 0.5 in/min	140,000 psi	965 MPa	ASTM D790
ESCR, Condition B, (10% Igepal), F₁₀	>96 h	>96 h	ASTM D1693
ESCR, Condition C, (100% Igepal), F₂₀	>600 h	>600 h	ASTM D1693
Notched Constant Ligament Stress	>125 h	>125 h	ASTM F2136

1. The nominal properties reported herein are typical of the product, but do not reflect normal testing variance and therefore should not be used for specification purposes. Values are rounded. The physical properties were determined on compression molded specimens that were prepared in accordance with Procedure C of ASTM D4703, Annex A1.

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Another quality product from



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