

# Marlex® 9398

HIGH DENSITY POLYETHYLENE

This hexene copolymer is tailored for non-pressure pipe applications that require:

- Good melt strength
- Excellent ESCR

This resin meets these specifications:

- ASTM D4976 - PE 235
- ASTM F2160
- ASTM D3350, class 345440A

Typical applications for 9398 include:

- Conduit
- Duct

NOMINAL PHYSICAL PROPERTIES <sup>(1)</sup>	English	SI	Method
<b>Density</b>	---	0.945 g/cm <sup>3</sup>	ASTM D1505
<b>Flow Rate</b> (HLMI, 190/21.6)	---	11.0 g/10 min	ASTM D1238
<b>Tensile Strength at Yield</b> , 2 in/min, Type IV bar	3,200 psi	22 MPa	ASTM D638
<b>Elongation at Break</b> , 2 in/min, Type IV bar	800%	800%	ASTM D638
<b>Flexural Modulus</b> , 2% Secant - 16:1 span:depth, 0.5 in/min	130,000 psi	900 MPa	ASTM D790
<b>ESCR</b> , Condition B (100% Igepal), F <sub>50</sub>	>2000 h	>2000 h	ASTM D1693
<b>ESCR</b> , Condition C (100% Igepal), F <sub>50</sub>	>2000 h	>2000 h	ASTM D1693
<b>Brittleness Temperature</b> , Type A, Type I specimen	<-103°F	<-75°C	ASTM D746

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, Annex A1 or ASTM F1473.

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