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PREMIUM EXTRUSION AND RIGID PACKAGING RESINS

Marlex® C514

HIGH DENSITY POLYETHYLENE

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

- Good melt strength
- Good pipe stiffness
- Good ESCR

Typical corrugated pipe applications for C514 include:

- Culverts
- Storm sewers
- Land drainage

This resin meets these specifications:

- ASTM D4976 - PE 235
- AASHTO M294
- ASTM D3350, class 435400A

NOMINAL PHYSICAL PROPERTIES ⁽¹⁾	English	SI	Method
Density	---	0.953 g/cm ³	ASTM D1505
Flow Rate (HLMI, 190/21.6)	---	21.0 g/10 min	ASTM D1238
Tensile Strength at Yield, 2 in/min, Type IV bar	4,100 psi	28 MPa	ASTM D638
Elongation at Break, 2 in/min, Type IV bar	>600%	>600%	ASTM D638
Flexural Modulus, Tangent - 16:1 span:depth, 0.5 in/min	190,000 psi	1,310 MPa	ASTM D790
ESCR, Condition B (100% Igepal), F ₅₀	500 h	500 h	ASTM D1693
Notched Constant Ligament Stress, Average of five	>24 h	>24 h	ASTM F2136
Oxidative Induction Time, 200°C	>25 min	>25 min	ASTM D3895

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 or ASTM F1473.

MSDS #240370

Revision Date May, 2007

Another quality product from



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