



Typical Application

Industrial packaging, jerry cans, large-part blow molding, sheet extrusion, thermoforming applications.

Product Description

Ramolene HDBM 50115 exhibits excellent environmental stress crack resistance and excellent impact resistance.

Typical Properties

Physical

Melt Flow Rate (190 °C / 2.16 kg)

11.50 g/10 min

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D1238

Density (23 °C)

0.950 g/cm³

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D1505

Mechanical Stress & Impact

Flexural Modulus 1% Secant

165,000 psi

1,139 MPa

D790

Tensile Stress/Strength at Yield (23 °C)

3,700 psi

26 MPa

D638

Tensile Elongation at Break (23 °C)

> 800 %

> 800 %

D638

ESCR, F₅₀ (condition B, 100% Igepal)

> 1,000 hour

> 1,000 hour

D1693

Tensile Impact Strength

> 200 ft-lb/in²

> 420 KJ/m²

D1822

Hardness

Durometer Shore Hardness (Shore D)

65

65

D2240

Thermal

Vicat Softening Temperature

252 °F

122.2 °C

D1525

Low Temperature Brittleness, F₅₀

< -105 °F

< -76.1 °C

D746

Deflection Temperature Under Load (66 psi)

163 °F

72.8 °C

D648