



**Typical Application**

Bottles for household chemicals, food products, and personal care products

**Product Description**

Ramolene HDBM 54030 exhibits excellent processability and environmental stress crack resistance. Mainly used in bottles for consumer goods, bottles for industrial use, and general sheet extrusion.

**Typical Properties**

**Physical**

Melt Flow Rate (190 °C / 2.16 kg)

0.30 g/10 min

0.30 g/10 min

D1238

Density (23 °C)

0.954 g/cm<sup>3</sup>

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D1505

**Mechanical Stress & Impact**

Flexural Modulus 1% Secant

190,000 psi

1,311 MPa

D790

Tensile Stress/Strength at Yield (23 °C)

4,000 psi

28 MPa

D638

Tensile Elongation at Break (23 °C)

> 1,000 %

> 1,000 %

D638

ESCR, F<sub>50</sub> (condition B, 100% Igepal)

200 hour

200 hour

D1693

Tensile Impact Strength

140 ft-lb/in<sup>2</sup>

294 KJ/m<sup>2</sup>

D1822

**Hardness**

Durometer Shore Hardness (Shore D)

68

68

D2240

**Thermal**

Vicat Softening Temperature

259 °F

126.1 °C

D1525

Low Temperature Brittleness, F<sub>50</sub>

< -105 °F

< -76.1 °C

D746

Deflection Temperature Under Load (66 psi)

151 °F

66.1 °C

D648