



Typical Application

Bottles for household and industrial chemicals, pharma packaging, and personal care products

Product Description

Ramolene HDBM 55035 is a Hexene (C6) copolymer designed for applications requiring excellent stiffness and stress crack resistance properties. Ramolene HDBM 55035 is approved for food contact and meets FDA and ASTM specifications : FDA 21CFR 177.1520 and ASTM D4976 respectively.

Typical Properties

Physical

	English Unit	SI Unit	ASTM
Melt Flow Rate (190 °C / 2.16 kg)	0.35 g/10 min	0.35 g/10 min	D1238
Density (23 °C)	0.955 g/cm ³	0.955 g/cm ³	D1505

Mechanical Stress & Impact

Flexural Modulus 1% Secant	200,000 psi	1,380 MPa	D790
Tensile Stress/Strength at Yield (23 °C)	4,000 psi	28 MPa	D638
Tensile Elongation at Break (23 °C)	> 600 %	> 600 %	D638
ESCR, F ₅₀ (condition A, 100% Igepal)	45 hour	45 hour	D1693
ESCR, F ₅₀ (condition B, 100% Igepal)	35 hour	35 hour	D1693
Tensile Impact Strength	140 ft-lb/in ²	294 KJ/m ²	D1822

Thermal

Vicat Softening Temperature	259 °F	126.1 °C	D1525
Low Temperature Brittleness, F ₅₀	< -180 °F	< -117.8 °C	D746

All tests were run under laboratory conditions, ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of Ramotech's products must be guided by the user's own methods for selection of proper formulation. RAMTECH OVERSEAS, INC. disclaims any responsibility for misuse or misapplication of its products. Ramotech makes no warranty of merchantability and there is no warranty that goods supplied shall be fit for any particular purpose.