



Typical Application

Containers for bleach, detergent, household chemicals, and personal care products

Product Description

Ramolene HDBM 53030 exhibits exceptional processability when used in a variety of different blow molding processes. Finished articles made from this show an excellent balance of stiffness and environmental stress crack resistance. Mainly used in bottles for consumer goods, bottles for industrial use, and general sheet extrusion.

Typical Properties

	English Unit	SI Unit	ASTM
Physical			
Melt Flow Rate (190 °C / 2.16 kg)	0.30 g/10 min	0.30 g/10 min	D1238
Density (23 °C)	0.953 g/cm ³	0.953 g/cm ³	D1505
Mechanical Stress & Impact			
Flexural Modulus 1% Secant	181,000 psi	1,249 MPa	D790
Tensile Stress/Strength at Yield (23 °C)	4,000 psi	28 MPa	D638
Tensile Elongation at Break (23 °C)	> 500 %	> 500 %	D638
ESCR, F ₅₀ (condition B, 100% Igepal)	30 hour	30 hour	D1693
Tensile Impact Strength	128 ft-lb/in ²	269 KJ/m ²	D1822
Hardness			
Durometer Shore Hardness (Shore D)	67	67	D2240
Thermal			
Vicat Softening Temperature	259 °F	126.1 °C	D1525
Low Temperature Brittleness, F ₅₀	< -105 °F	< -76.1 °C	D746
Deflection Temperature Under Load (66 psi)	167 °F	75.0 °C	D648

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. Ramtech makes no warranty of merchantability and there is no warranty that goods supplied shall be fit for any particular purpose.