

Typical Application

Trash Cans, Industrial Containers, Housewares, Toys, Compounding

Product Description

Ramolene LLDM 24200 is a linear low density polyethylene that exhibits good stiffness and low temperature toughness. It is suitable for compounding and serves as excellent carrier resin for masterbatch formulations.

Typical Properties	English Unit	SI Unit	ASTM
Physical			
Melt Flow Rate (190 °C / 2.16 kg)	20.0 g/10 min	20.0 g/10 min	D1238
Density (23 °C)	0.924 g/cm ³	0.924 g/cm ³	D1505
Spiral Flow	12.6 in	32.1 cm	Producer Method
Mechanical Stress & Impact			
Flexural Modulus 1% Secant	63,000 psi	435 MPa	D790
Flexural Modulus 2% Secant	55,000 psi	380 MPa	D790
Tensile Stress/Strength at Break (23 °C)	1,200 psi	8 MPa	D638
Tensile Stress/Strength at Yield (23 °C)	2,100 psi	15 MPa	D638
Tensile Elongation at Break (23 °C)	60 %	60 %	D638
Tensile Elongation at Yield (23 °C)	12 %	12 %	D638
Notched Izod Impact Strength (23 °C)	29 ft-lb/in	J/m	D256
Hardness			
Durometer Shore Hardness (Shore D)	57	57	D2240
Thermal			
Vicat Softening Temperature	196 °F	91.1 °C	D1525
Low Temperature Brittleness, F ₅₀	< -105 °F	< -76.1 °C	D746
Deflection Temperature Under Load (66 psi)	113 °F	45.0 °C	D648
Additives			
Slip	ppm	0 ppm	Producer Method
AntiBlock	ppm	0 ppm	Producer Method

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 Ramtech'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.