

Typical Application

Caps & Closures, Containers, Housewares, Power Tools, Lids, Medical Items.

Product Description

Ramolene LLDM 26500 is a linear low density polyethylene that exhibits excellent flow and impact strength with good balance of stiffness and toughness. Recommended for applications requiring physical performance and enhanced processability.

Typical Properties	English Unit	SI Unit	ASTM
Physical			
Melt Flow Rate (190 °C / 2.16 kg)	50.0 g/10 min	50.0 g/10 min	D1238
Density (23 °C)	0.926 g/cm ³	0.926 g/cm ³	D1505
Spiral Flow	17.9 in	32.1 cm	Producer Method
Mechanical Stress & Impact			
Flexural Modulus 1% Secant	70,000 psi	483 MPa	D790
Flexural Modulus 2% Secant	61,000 psi	421 MPa	D790
Tensile Stress/Strength at Break (23 °C)	1,300 psi	9 MPa	D638
Tensile Stress/Strength at Yield (23 °C)	2,200 psi	15 MPa	D638
Tensile Elongation at Yield (23 °C)	11 %	11 %	D638
Hardness			
Durometer Shore Hardness (Shore D)	60	60	D2240
Thermal			
Vicat Softening Temperature	184 °F	84.4 °C	D1525
Low Temperature Brittleness, F ₅₀	-98 °F	-72.2 °C	D746
Deflection Temperature Under Load (66 psi)	117 °F	47.2 °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 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.