



Typical Application

Toys, Playground Equipment, Drums, Chemical Storage Containers

Product Description

Ramolene LLDR 35500 UV is a Hexene (C6) linear low density polyethylene used for rotational molding applications. It exhibits excellent flow properties, high ESCR, low temperature impact strength, and warp resistance. Ramolene LLDR 35500 UV is available in 35-mesh powder form.

Typical Properties	English Unit	SI Unit	ASTM
Physical			
Melt Flow Rate (190 °C / 2.16 kg)	5.00 g/10 min	5.00 g/10 min	D1238
Density (23 °C)	0.935 g/cm ³	0.935 g/cm ³	D1505
Mechanical Stress & Impact			
Flexural Modulus 1% Secant	105,000 psi	725 MPa	D790
Flexural Modulus 2% Secant	91,000 psi	628 MPa	D790
Tensile Stress/Strength at Yield (23 °C)	2,700 psi	19 MPa	D638
ESCR, F ₅₀ (condition A, 100% Igepal)	> 1000 hour	> 1000 hour	D1693
Thermal			
Deflection Temperature Under Load (66 psi)	131 °F	55.0 °C	D648
Deflection Temperature Under Load (264 psi)	102 °F	38.9 °C	D648
Additives			
Slip	0 ppm	0 ppm	Producer Method
AntiBlock	0 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.