

Typical Application

Pallets, Crates, Trays, Tote Bins, Open Head Pails

Product Description

Ramolene HDIM 65800 is high density polyethylene homopolymer that enhances processing and stiffness, exhibits excellent color, low odor, and good processing stability.

Typical Properties	English Unit	SI Unit	ASTM
Physical			
Melt Flow Rate (190 °C / 2.16 kg)	8.0 g/10 min	8.0 g/10 min	D1238
Density (23 °C)	0.965 g/cm ³	0.965 g/cm ³	D1505
Spiral Flow	9.1 in	23.1 cm	Producer Method
Mechanical Stress & Impact			
Flexural Modulus 1% Secant	256,500 psi	1,770 MPa	D790
Flexural Modulus 2% Secant	214,700 psi	1,482 MPa	D790
Tensile Modulus (1% Secant)	179,000 psi	1,235 MPa	D638
Tensile Young's Modulus	204,200 psi	1,409 MPa	D638
Tensile Stress/Strength at Break (23 °C)	4,100 psi	28 MPa	D638
Tensile Stress/Strength at Yield (23 °C)	4,770 psi	33 MPa	D638
Tensile Elongation at Break (23 °C)	16.5 %	16.5 %	D638
Tensile Elongation at Yield (23 °C)	6.1 %	6.1 %	D638
Notched Izod Impact Strength (23 °C)	0.66 ft-lb/in	35.2 J/m	D256
Hardness			
Durometer Shore Hardness (Shore D)	68	68	D2240
Thermal			
Vicat Softening Temperature	262 °F	127.8 °C	D1525
Low Temperature Brittleness, F ₅₀	< -105 °F	< -76 °C	D746
Deflection Temperature Under Load (66 psi)	179 °F	81.7 °C	D648
Melting Temperature	270 °F	132.2 °C	D3418
Crystallization Temperature	248 °F	120.0 °C	D3418

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.