

Technical Data Sheet

Polyflam RLDPE 1EA GRY60205



Polyethylene, Unspecified

Product Description

Polyflam RLDPE 1EA GRY 60205 is a Polyethylene, Unspecified material and is typically used in Injection Molding applications.

Processing Method Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	3.0	cm ³ /10 min	ISO 1133
Density, (Method A)	0.970	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	12.0	MPa	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	73	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	120	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C)	60	kJ/m ²	ISO 179
(-30 °C)	3.0	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(-30 °C)	No Break		ISO 179
(23 °C)	No Break		ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	46.0	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	33.0	°C	ISO 75-2/A
Flammable			
Glow Wire Flammability Index, (1.5 mm)	800	°C	IEC 60695-2-12