

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 |