Technical Data Sheet

Polyflam RHD 200 D GRY

Polyethylene, Unspecified

Product Description

Flame retardant PE-HD compound (UL 94 V-2) without PBDE

Processing Method	Injection Molding
Additive	Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	9.0	cm³/10 min	ISO 1133
Density, (Method A)	1.05	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	27.0	MPa	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	11	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	1400	MPa	ISO 527-1
Thermal			
Vicat Softening Temperature, (A (10N), 120 °C/h)	120	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	75.0	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	45.0	°C	ISO 75-2/A
Electrical			
Volume Resistivity	>1.0E+13	ohm*cm	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112
Surface Resistivity	>1.0E+15	ohm	IEC 60093
Flammable			
Glow Wire Flammability Index			
(1.5 mm)	960	°C	IEC 60695-2-12
(3.0 mm)	960	°C	IEC 60695-2-12
Oxygen Index	35	%	ISO 4589-2
UL Information			
Flammability Classification			
(1.5 mm)	V-2		IEC 60695-11-10, -20
(3.0 mm)	V-2		IEC 60695-11-10, -20