

Technical Data Sheet

Percom PP KDH16FR LIGHT GREY 6-2758



Polypropylene Copolymer

Product Description

High impact PP Copolymer 20% mineral filled flame retardant

Processing Method	Injection Molding
Attribute	High Impact Resistance
Additive	Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	10	g/10 min	ISO 1133
Density	1.06	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield	28	MPa	ISO 527-2
Tensile Strain at Break	>20	%	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Tensile Strain at Yield	>4.0	%	ISO 527-2
Impact			
Charpy Impact Strength - Notched	17	kJ/m²	ISO 179
Notched Izod Impact Strength, (23 °C, Type 1, Notch A)	15	kJ/m²	ISO 180
Thermal			
Vicat Softening Temperature, (A (10N), 50 °C/h)	150	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	116	°C	ISO 75-2/B
Flammable			
Glow Wire Ignition Temperature, (2.0 mm)	960	°C	IEC 60695-2-13
UL Information			
Flame Rating, (1.6 mm)	V-2		UL 94
UL File Number, (Europe)	E132739		

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	30 to 60	°C