

Technical Data Sheet

Polyflam RIPP 3230 30V1 GRY64540

Polypropylene Copolymer

Product Description

30% glass fiber reinforced flame retardant PP copolymer compound

Processing Method	Injection Molding
Attribute	Copolymer
Additive	Flame Retardant
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	4.0	cm ³ /10 min	ISO 1133
Density, (Method A)	1.42	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break	5	%	ISO 527-2
Flexural Modulus	7000	MPa	ISO 178
Tensile Stress at Break	61	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	7300	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	13	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	51	kJ/m ²	ISO 179
Hardness			
Ball Pressure Test, (100 °C)	Pass		IEC 60695-10-2
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	101	°C	ISO 306
(A (10N), 120 °C/h)	159	°C	ISO 306
Electrical			
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
Comparative Tracking Index (CTI)	600	V	IEC 60112
Surface Resistivity	>1.0E+15	ohm	IEC 60093
UL Information			
Flammability Classification, (3.0 mm)	V-1		IEC 60695-11-10, -20

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	70 to 80	°C
Processing (Melt) Temp	210 to 230	°C
Mold Temperature	40 to 80	°C