

Technical Data Sheet

Percom PP JCH16FR BLK

Polypropylene Copolymer

Product Description

PP Co-polymer, flame retardant.

Processing Method Injection Molding

Additive Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (260 °C/5.0 kg)	6.0	g/10 min	ISO 1133
Density	0.93	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	25	MPa	ISO 527-2
Flexural Modulus	1350	MPa	ISO 178
Tensile Strain at Yield	8	%	ISO 527-2
Impact			
Charpy Impact Strength - Notched, (23 °C)	30	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C)	No Break		ISO 179
Notched Izod Impact Strength, (23 °C, Type 1, Notch A)	30	kJ/m ²	ISO 180
Thermal			
Vicat Softening Temperature, (A (10N), 50 °C/h)	80.0	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	147	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	50	°C	ISO 75-2/A
Flammable			
Burning Rate	<80	mm/min	ISO 3795
UL Information			
Flammability Classification			
(1.5 mm)	V-2		IEC 60695-11-10, -20
(3.0 mm)	V-2		IEC 60695-11-10, -20

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