

SPESIN® KP213G30V0BL

Polybutylene Terephthalate

Kolon Plastics, Inc.

Message:

Glassfiber 30% reinforced, Flame retardant, Black Color grade

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	Flame retardancy		
Features	Flame retardancy		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	143	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2
Flexural Modulus (23°C)	8900	MPa	ISO 178
Flexural Stress (23°C)	211	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	200	°C	ISO 75-2/A
Melting Temperature	224	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flame Rating (0.8 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120 - 130	°C	
Drying Time	3.0 - 5.0	hr	
Suggested Max Moisture	< 0.050	%	
Rear Temperature	240	°C	
Middle Temperature	245	°C	
Front Temperature	250	°C	
Nozzle Temperature	250	°C	
Mold Temperature	60 - 80	°C	

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