

SPESIN® KP212G15VFBL

Polybutylene Terephthalate

Kolon Plastics, Inc.

Message:

SPESIN® KP212G15VFBL is a Polybutylene Terephthalate (PBT) product filled with 15% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

- Flame Rated
- Flame Retardant
- Halogen Free

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.60 to 1.4	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.080	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	73.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	5.5	%	ASTM D638
Flexural Modulus (23°C)	5590	MPa	ASTM D790
Flexural Strength (23°C)	127	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	57	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648A
0.45 MPa, Unannealed	222	°C	
1.8 MPa, Unannealed	204	°C	
Peak Melting Temperature	225	°C	ASTM D3418
Flammability	Nominal Value		Test Method
Flame Rating (0.0313 mm)	V-0		UL 94

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