

SPESIN® KP212G30V0BM

Polybutylene Terephthalate

Kolon Plastics, Inc.

Message:

SPESIN® KP212G30V0BM is a Polybutylene Terephthalate (PBT) product filled with 30% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

Flame Retardant

General Information			
UL YellowCard	E190675-100647280		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Paintable		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.63	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.70 to 1.0	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	132	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	5.5	%	ASTM D638
Flexural Modulus (23°C)	8530	MPa	ASTM D790
Flexural Strength (23°C)	206	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	72	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648A
0.45 MPa, Unannealed	220	°C	
1.8 MPa, Unannealed	200	°C	
Peak Melting Temperature	224	°C	ASTM D3418
CLTE - Flow	4.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	27	kV/mm	ASTM D149
Dielectric Constant	3.70		ASTM D150
Arc Resistance	110	sec	ASTM D495

Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

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