

SPESIN® KP212G15V0BM

Polybutylene Terephthalate

Kolon Plastics, Inc.

Message:

SPESIN® KP212G15V0BM 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

General Information			
UL YellowCard	E190675-100647279		
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Paintable		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60 to 1.4	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.060	%	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)	93.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	7.0	%	ASTM D638
Flexural Modulus (23°C)	5490	MPa	ASTM D790
Flexural Strength (23°C)	167	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648A
0.45 MPa, Unannealed	215	°C	
1.8 MPa, Unannealed	178	°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	26	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.50		ASTM D150
Arc Resistance	120	sec	ASTM D495

Flammability	Nominal Value	Unit	Test Method
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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

