

SPESIN® KP213G45

Polybutylene Terephthalate

Kolon Plastics, Inc.

Message:

SPESIN® KP213G45 is a polybutene terephthalate (PBT) product, which contains a 45% glass fiber reinforced material. It is available in North America, Latin America, Europe or Asia Pacific. The main characteristics are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 45% filler by weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.70 - 1.1	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.050	%	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)	140	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.2	%	ASTM D638
Flexural Modulus (23°C)	12000	MPa	ASTM D790
Flexural Strength (23°C)	234	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	220	°C	ASTM D648
1.8 MPa, not annealed	205	°C	ASTM D648
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	30	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.20		ASTM D150
Arc Resistance	120	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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