

SPESIN® KP213HI

Polybutylene Terephthalate

Kolon Plastics, Inc.

Message:

SPESIN® KP213HI is a Polybutylene Terephthalate (PBT) product. It is available in Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

Impact Resistant

General Information			
Features	Good Impact Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow	2.2 to 2.7	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.050	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	47.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	17	%	ASTM D638
Flexural Modulus (23°C)	2060	MPa	ASTM D790
Flexural Strength (23°C)	79.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	74	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648A
0.45 MPa, Unannealed	150	°C	
1.8 MPa, Unannealed	55.0	°C	
Peak Melting Temperature	224	°C	ASTM D3418
CLTE - Flow	1.2E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	24	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.40		ASTM D150
Arc Resistance	125	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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