

SPESIN® KP513UG

Polybutylene Terephthalate

Kolon Plastics, Inc.

Message:

SPESIN® KP513UG is a Polybutylene Terephthalate (PBT) product. It can be processed by extrusion and is available in Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

Low Gloss

General Information			
Features	Low Gloss		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.5 to 1.9	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.080	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	114		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	69.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	40	%	ASTM D638
Flexural Modulus (23°C)	196	MPa	ASTM D790
Flexural Strength (23°C)	79.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	150	°C	
1.8 MPa, Unannealed	60.0	°C	
Melting Temperature	224	°C	ASTM D1525
CLTE - Flow	4.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (23°C)	27	kV/mm	ASTM D149
Dielectric Constant (23°C, 1 MHz)	3.70		ASTM D150
Arc Resistance	110	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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