

# SPESIN® KP212V0

Polybutylene Terephthalate

Kolon Plastics, Inc.

## Message:

SPESIN® KP212V0 is a Polybutylene Terephthalate (PBT) product. It is available in Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

Flame Retardant

General Information			
UL YellowCard	E190675-100647282		
Additive	Flame Retardant		
Features	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.8 to 2.6	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.060	%	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)	60.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	11	%	ASTM D638
Flexural Modulus (23°C)	2630	MPa	ASTM D790
Flexural Strength (23°C)	98.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648A
0.45 MPa, Unannealed	165	°C	
1.8 MPa, Unannealed	55.0	°C	
Peak Melting Temperature	224	°C	ASTM D3418
CLTE - Flow	7.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	25	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.20		ASTM D150
Arc Resistance	85.0	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

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Recommended distributors for this material

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