

SPESIN® KP212G30VF

PBT-GF30

Kolon Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0065	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	98	MPa	ASTM D 638
Flexural Modulus	8041	MPa	ASTM D 790
Flexural Strength	167	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	64	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	40	E-6/K	ASTM D 696
DTUL @ 66 psi	220	°C	ASTM D 648
DTUL @ 264 psi	210	°C	ASTM D 648
Melting Temperature	224	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	600	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	27	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3.7	-	ASTM D 150
Arc Resistance	110	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.08	%	ASTM D 570
Density	1570	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

Flame retardant, Halogen-free

Regional Availability

North America, Asia Pacific