

SPESIN® KP213G45

PBT-GF45

Kolon Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.009	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	140	MPa	ASTM D 638
Flexural Modulus	12000	MPa	ASTM D 790
Flexural Strength	234	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	107	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	40	E-6/K	ASTM D 696
DTUL @ 66 psi	220	°C	ASTM D 648
DTUL @ 264 psi	205	°C	ASTM D 648
Melting Temperature	224	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	30	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3.2	-	ASTM D 150
Arc Resistance	120	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	1410	kg/m ³	ASTM D 792

Characteristics**Regional Availability**

North America, Asia Pacific