

**SPESIN® KP213G15BL**

PBT-GF15

Kolon Industries

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

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength	<b>98</b>	MPa	ASTM D 638
Flexural Modulus	<b>5394</b>	MPa	ASTM D 790
Flexural Strength	<b>167</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 120</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>49</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>0.8</b>	mm	-
Coefficient of Thermal Expansion, MD	<b>40</b>	E-6/K	ASTM D 696
DTUL @ 66 psi	<b>220</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>205</b>	°C	ASTM D 648
Melting Temperature	<b>224</b>	°C	ASTM D 3418

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

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr	<b>0.05</b>	%	ASTM D 570
Density	<b>1410</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Delivery form**

Black

**Regional Availability**

North America, Asia Pacific