

**SPESIN® KP270GR**

PBT

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>0.0205</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>59</b>	MPa	ASTM D 638
Flexural Modulus	<b>2745</b>	MPa	ASTM D 790
Flexural Strength	<b>98</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 118</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
Coefficient of Thermal Expansion, MD	<b>80</b>	E-6/K	ASTM D 696
DTUL @ 66 psi	<b>166</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>59</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>28</b>	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	<b>3.1</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>
Density	<b>1310</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Chemical Resistance**

Hydrolytically Stable

**Regional Availability**

North America, Asia Pacific