

**Chemlon® 243 G**

PA6-GF43

Teknor Apex Co.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.0012</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD	<b>0.003</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>202</b>	MPa	ASTM D 638
Elongation at Yield	<b>2.5</b>	%	ASTM D 638
Elongation at Break	<b>2.5</b>	%	ASTM D 638
Flexural Modulus	<b>10690</b>	MPa	ASTM D 790
Flexural Strength	<b>271</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>160</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>0.813</b>	mm	-
DTUL @ 264 psi	<b>211</b>	°C	ASTM D 648
Melting Temperature	<b>220</b>	°C	ASTM D 3418
Limiting Oxygen Index	<b>22</b>	%	ASTM D 2863

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Dielectric Strength, Short Time	<b>11</b>	kV/mm	ASTM D 149
Volume Resistivity	<b>1020</b>	Ohm*cm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1490</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Regional Availability**

North America, Europe, Asia Pacific