

**Chemlon® 233 GI**

PA6-GX

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>0.002</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD	<b>0.0035</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength	<b>134</b>	MPa	ASTM D 638
Elongation at Yield	<b>3</b>	%	ASTM D 638
Elongation at Break	<b>4</b>	%	ASTM D 638
Flexural Modulus	<b>6550</b>	MPa	ASTM D 790
Flexural Strength	<b>197</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>187</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>0.813</b>	mm	-
DTUL @ 66 psi	<b>213</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>202</b>	°C	ASTM D 648
Melting Temperature	<b>218</b>	°C	ASTM D 3418
Limiting Oxygen Index	<b>22</b>	%	ASTM D 2863
<b>Other properties</b>			
Water Absorption, 24hr	<b>0.8</b>	%	ASTM D 570
Density	<b>1350</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Regional Availability**

North America, Europe, Asia Pacific