

Chemlon® 223

PA6

Teknor Apex Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.01	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.015	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data	Value	Unit	Test Standard
Tensile Strength	82.7	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	25	%	ASTM D 638
Flexural Modulus	2896	MPa	ASTM D 790
Flexural Strength	107	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53.4	J/m	ASTM D 256
Thermal properties			
ASTM Data	Value	Unit	Test Standard
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.813	mm	-
DTUL @ 66 psi	191	°C	ASTM D 648
DTUL @ 264 psi	61.1	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418
Limiting Oxygen Index	25	%	ASTM D 2863
Electrical properties			
ASTM Data	Value	Unit	Test Standard
Dielectric Strength, Short Time	14	kV/mm	ASTM D 149
Volume Resistivity	1020	Ohm*cm	ASTM D 257
Other properties			
ASTM Data	Value	Unit	Test Standard
Density	1130	kg/m ³	ASTM D 792

Characteristics**Features**

Nucleated

Regional Availability

North America, Europe, Asia Pacific