

Chemlon® 280

PA6

Teknor Apex Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0175	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0225	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength	41.4	MPa	ASTM D 638
Elongation at Yield	7	%	ASTM D 638
Elongation at Break	150	%	ASTM D 638
Flexural Modulus	1620	MPa	ASTM D 790
Flexural Strength	55.2	MPa	ASTM D 790
Izod Impact notched, 1/8 in	1170	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	294	J/m	ASTM D 256
Temperature	-40	°C	-
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.813	mm	-
DTUL @ 66 psi	135	°C	ASTM D 648
DTUL @ 264 psi	51.7	°C	ASTM D 648
Melting Temperature	217	°C	ASTM D 3418
Limiting Oxygen Index	20	%	ASTM D 2863
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	10	kV/mm	ASTM D 149
Volume Resistivity	1010	Ohm*cm	ASTM D 257
Other properties			
Water Absorption, 24hr	0.8	%	ASTM D 570
Density	1070	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

High impact or impact modified

Regional Availability

North America, Europe, Asia Pacific