

Chemlon® 182

PA66

Teknor Apex Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.009	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.014	mm/mm	ASTM D 955
Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	72.4	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	7.5	%	ASTM D 638
Flexural Modulus	3206	MPa	ASTM D 790
Flexural Strength	103	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53.4	J/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.559	mm	-
DTUL @ 66 psi	224	°C	ASTM D 648
DTUL @ 264 psi	110	°C	ASTM D 648
Melting Temperature	257	°C	ASTM D 3418
Limiting Oxygen Index	33	%	ASTM D 2863
Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	17	kV/mm	ASTM D 149
Volume Resistivity	1010	Ohm*cm	ASTM D 257
Other properties	Value	Unit	Test Standard
Density	1190	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

Flame retardant

Regional Availability

North America, Europe, Asia Pacific