

Chemlon® 104

PA66

Teknor Apex Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.012	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.02	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	62.1	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	35	%	ASTM D 638
Flexural Modulus	2206	MPa	ASTM D 790
Flexural Strength	72.4	MPa	ASTM D 790
Izod Impact notched, 1/8 in	240	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	139	J/m	ASTM D 256
Temperature	-40	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.813	mm	-
DTUL @ 66 psi	213	°C	ASTM D 648
DTUL @ 264 psi	79.4	°C	ASTM D 648
Melting Temperature	257	°C	ASTM D 3418
Limiting Oxygen Index	22	%	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	1110	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

High impact or impact modified

Regional Availability

North America, Europe, Asia Pacific