

Chemlon® 109

PA66

Teknor Apex Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.018	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.024	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	51.7	MPa	ASTM D 638
Elongation at Yield	4.5	%	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	1724	MPa	ASTM D 790
Flexural Strength	48.3	MPa	ASTM D 790
Izod Impact notched, 1/8 in	961	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	240	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	0.762	mm	-
DTUL @ 264 psi	62.8	°C	ASTM D 648
Melting Temperature	257	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Volume Resistivity	1010	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1090	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

High impact or impact modified

Regional Availability

North America, Europe, Asia Pacific