

Chemlon® 109-18G

PA66-GF18

Teknor Apex Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.007	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength	107	MPa	ASTM D 638
Elongation at Yield	3	%	ASTM D 638
Elongation at Break	6	%	ASTM D 638
Flexural Modulus	4137	MPa	ASTM D 790
Flexural Strength	148	MPa	ASTM D 790
Izod Impact notched, 1/8 in	149	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 66 psi	257	°C	ASTM D 648
DTUL @ 264 psi	221	°C	ASTM D 648
Limiting Oxygen Index	21	%	ASTM D 2863
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	11	kV/mm	ASTM D 149
Volume Resistivity	1010	Ohm*cm	ASTM D 257
Other properties			
Density	1230	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

High impact or impact modified

Regional Availability

North America, Europe, Asia Pacific

Applications

Automotive