

Chemlon® 109-33G

PA66-GF33

Teknor Apex Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.004	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	145	MPa	ASTM D 638
Elongation at Yield	3	%	ASTM D 638
Elongation at Break	4	%	ASTM D 638
Flexural Modulus	6895	MPa	ASTM D 790
Flexural Strength	207	MPa	ASTM D 790
Izod Impact notched, 1/8 in	187	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	133	J/m	ASTM D 256
Temperature	-40	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	235	°C	ASTM D 648
Melting Temperature	257	°C	ASTM D 3418
Limiting Oxygen Index	24	%	ASTM D 2863

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	11	kV/mm	ASTM D 149
Volume Resistivity	1010	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1360	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

High impact or impact modified

Regional Availability

North America, Europe, Asia Pacific

Applications

Automotive