

Chemlon® 143G

PA66-GF43

Teknor Apex Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.001	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.003	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	200	MPa	ASTM D 638
Elongation at Yield	2	%	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Flexural Modulus	11030	MPa	ASTM D 790
Flexural Strength	283	MPa	ASTM D 790
Izod Impact notched, 1/8 in	133	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.52	mm	-
DTUL @ 264 psi	252	°C	ASTM D 648
Melting Temperature	257	°C	ASTM D 3418
Limiting Oxygen Index	25	%	ASTM D 2863

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	16	kV/mm	ASTM D 149
Volume Resistivity	1020	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1500	kg/m ³	ASTM D 792

Characteristics**Applications**

Automotive

Regional Availability

North America, Europe, Asia Pacific