

Chemlon® 140M

PA66-MF40

Teknor Apex Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.007	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.012	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength	89.6	MPa	ASTM D 638
Elongation at Yield	1.8	%	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Flexural Modulus	6550	MPa	ASTM D 790
Flexural Strength	145	MPa	ASTM D 790
Izod Impact notched, 1/8 in	48	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.813	mm	-
DTUL @ 264 psi	202	°C	ASTM D 648
Melting Temperature	257	°C	ASTM D 3418
Limiting Oxygen Index	27	%	ASTM D 2863
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	15	kV/mm	ASTM D 149
Volume Resistivity	1010	Ohm*cm	ASTM D 257
Other properties			
Water Absorption, 24hr	0.8	%	ASTM D 570
Density	1500	kg/m ³	ASTM D 792

Characteristics**Features**

Low Warpage

Regional Availability

North America, Europe, Asia Pacific

Applications

Automotive