

Chemlon® 253

PA6

Teknor Apex Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.015	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.019	mm/mm	ASTM D 955
Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	65.5	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	2206	MPa	ASTM D 790
Flexural Strength	82.7	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			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.813	mm	-
DTUL @ 264 psi	57.2	°C	ASTM D 648
Melting Temperature	218	°C	ASTM D 3418
Limiting Oxygen Index	21	%	ASTM D 2863
Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	12	kV/mm	ASTM D 149
Volume Resistivity	1010	Ohm*cm	ASTM D 257
Other properties	Value	Unit	Test Standard
Density	1110	kg/m ³	ASTM D 792

Characteristics**Regional Availability**

North America, Europe, Asia Pacific