

Plenco 03554

(PF+PTFE)-X

Plastics Engineering Co.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0043	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	7995	MPa	ASTM D 638
Tensile Strength	50	MPa	ASTM D 638
Compressive Strength	153	MPa	ASTM D 695
Flexural Modulus	7671	MPa	ASTM D 790
Flexural Strength	81.6	MPa	ASTM D 790
Rockwell Hardness	E 75	-	ASTM D 785
Izod Impact notched, 1/8 in	22.7	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	157	°C	ASTM D 648
Limiting Oxygen Index	25	%	ASTM D 2863
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	15.6	kV/mm	ASTM D 149
Dielectric Strength, Step-by-Step	9	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.042	-	ASTM D 150
Dielectric Constant, 1 MHz	4.6	-	ASTM D 150
Volume Resistivity	1.8E12	Ohm*cm	ASTM D 257
Arc Resistance	73	s	ASTM D 495
Other properties			
Density	1430	kg/m ³	ASTM D 792

Characteristics**Processing**

Compression Molding

Features

Tribologic Grade

Delivery form

Granules, Black

Regional Availability

North America