

FPC 34

PP

Federal Plastics Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	5	g/10min	ASTM D 1238
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	27.6	MPa	ASTM D 638
Elongation at Yield	11	%	ASTM D 638
Flexural Modulus	1103	MPa	ASTM D 790
Rockwell Hardness	M53	-	ASTM D 785
Gardner Impact	3.28	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	53.4	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	1.57	mm	-
Coefficient of Thermal Expansion, MD	79.2	E-6/K	ASTM D 696
DTUL @ 264 psi	84.4	°C	ASTM D 648
Vicat Temperature	104	°C	ASTM D 1525
Electrical properties			
ASTM Data			
Dissipation Factor, 60 Hz	0.01	-	ASTM D 150
Dissipation Factor, 1 MHz	0.02	-	ASTM D 150
Dielectric Constant, 60 Hz	3.9	-	ASTM D 150
Dielectric Constant, 1 MHz	3.5	-	ASTM D 150
Arc Resistance	136	s	ASTM D 495
Other properties			
Density	905	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

North America