

FPC 4

PS

Federal Plastics Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	4	g/10min	ASTM D 1238
Mechanical properties			
ASTM Data			
Tensile Strength at Break	51.7	MPa	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Flexural Strength	68.9	MPa	ASTM D 790
Izod Impact notched, 1/8 in	101	J/m	ASTM D 256
Thermal properties			
ASTM Data			
Coefficient of Thermal Expansion, MD	79.9	E-6/K	ASTM D 696
DTUL @ 66 psi	95	°C	ASTM D 648
Melting Temperature	160	°C	ASTM D 3418
Vicat Temperature	148	°C	ASTM D 1525
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	19.1	kV/mm	ASTM D 149
Other properties			
Density	1050	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

North America