

FPC 25

(PS-HI)

Federal Plastics Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	8.5	g/10min	ASTM D 1238
Mechanical properties			
ASTM Data			
Tensile Strength at Break	22.8	MPa	ASTM D 638
Elongation at Break	42	%	ASTM D 638
Flexural Modulus	2344	MPa	ASTM D 790
Flexural Strength	42.7	MPa	ASTM D 790
Rockwell Hardness	M92	-	ASTM D 785
Izod Impact notched, 1/8 in	240	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-1	-	UL 94
Thickness tested	1.57	mm	-
Coefficient of Thermal Expansion, MD	72	E-6/K	ASTM D 696
DTUL @ 66 psi	243	°C	ASTM D 648
DTUL @ 264 psi	241	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dissipation Factor, 1 MHz	0.0083	-	ASTM D 150
Dielectric Constant, 1 MHz	2.88	-	ASTM D 150
Other properties			
Density	1050	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

North America