

FPC 721

PC

Federal Plastics Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	16	g/10min	ASTM D 1238

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2344	MPa	ASTM D 638
Tensile Strength at Yield	59.3	MPa	ASTM D 638
Elongation at Yield	7	%	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2344	MPa	ASTM D 790
Flexural Strength	93.8	MPa	ASTM D 790
Rockwell Hardness	M94	-	ASTM D 785
Izod Impact notched, 1/8 in	48	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.813	mm	-
DTUL @ 66 psi	238	°C	ASTM D 648
DTUL @ 264 psi	193	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.15	%	ASTM D 570
Density	1200	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

North America

Additives

Flame retarding agent