

FPC 21

(PS-HI)

Federal Plastics Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	2.75	g/10min	ASTM D 1238

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	27.6	MPa	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	1931	MPa	ASTM D 790
Flexural Strength	41.4	MPa	ASTM D 790
Rockwell Hardness	R120	-	ASTM D 785
Izod Impact notched, 1/8 in	53.4	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 66 psi	235	°C	ASTM D 648
DTUL @ 264 psi	93.3	°C	ASTM D 648

Optical properties	Value	Unit	Test Standard
ASTM Data			
Light Transmittance	92	%	ASTM D 1003

Other properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

North America