

FPC 744R

PC

Federal Plastics Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	11	g/10min	ASTM D 1238
Mechanical properties			
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	R113	-	ASTM D 785
Gardner Impact	0.452	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	90.7	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 66 psi	160	°C	ASTM D 648
DTUL @ 264 psi	154	°C	ASTM D 648
Other properties			
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