

**FPC 607**

(PE-HD)

Federal Plastics Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	0.7	g/10min	ASTM D 1238

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	26.2	MPa	ASTM D 638
Izod Impact notched, 1/8 in	176	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	3.18	mm	-
Coefficient of Thermal Expansion, MD	82.8	E-6/K	ASTM D 696
DTUL @ 264 psi	250	°C	ASTM D 648
Melting Temperature	252	°C	ASTM D 3418
Max. Service Temp., Intermittent	82.2	°C	ASTM D 2485
Limiting Oxygen Index	21	%	ASTM D 2863

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	16.5	kV/mm	ASTM D 149
Dielectric Strength, Step-by-Step	14.6	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.01	-	ASTM D 150
Dissipation Factor, 1 MHz	0.025	-	ASTM D 150
Dielectric Constant, 60 Hz	3.8	-	ASTM D 150
Dielectric Constant, 1 MHz	3.4	-	ASTM D 150

Other properties	Value	Unit	Test Standard
Density	960	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Regional Availability**

North America