

**FPC 550**

(PE-HD)

Federal Plastics Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	5	g/10min	ASTM D 1238

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	24.1	MPa	ASTM D 638
Elongation at Yield	310	%	ASTM D 638
Izod Impact notched, 1/8 in	96.1	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.45	mm	-
DTUL @ 66 psi	246	°C	ASTM D 648
DTUL @ 264 psi	238	°C	ASTM D 648
Melting Temperature	252	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dissipation Factor, 1 MHz	0.0014	-	ASTM D 150
Dielectric Constant, 1 MHz	2.9	-	ASTM D 150

Other properties	Value	Unit	Test Standard
Density	954	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America