

FPC 46

(PE-LD)

Federal Plastics Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	35	g/10min	ASTM D 1238

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	11	MPa	ASTM D 638
Elongation at Break	200	%	ASTM D 638
Izod Impact notched, 1/8 in	747	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Coefficient of Thermal Expansion, MD	79.9	E-6/K	ASTM D 696
DTUL @ 264 psi	129	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dissipation Factor, 60 Hz	0.01	-	ASTM D 150
Dissipation Factor, 1 MHz	0.02	-	ASTM D 150
Dielectric Constant, 60 Hz	3.9	-	ASTM D 150
Dielectric Constant, 1 MHz	3.5	-	ASTM D 150

Other properties	Value	Unit	Test Standard
Density	924	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

North America