

**FPC 71**

ABS

Federal Plastics Corp.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>1.1</b>	g/10min	ASTM D 1238

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>46.2</b>	MPa	ASTM D 638
Flexural Modulus	<b>2482</b>	MPa	ASTM D 790
Flexural Strength	<b>79.3</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R40</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>854</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>0.813</b>	mm	-
Coefficient of Thermal Expansion, MD	<b>81</b>	E-6/K	ASTM D 696
Max. Service Temp., Intermittent	<b>121</b>	°C	ASTM D 2485

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1040</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America