

**FS3011E**

PP

Sumitomo Chemical Co., Ltd.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>3</b>	g/10min	ASTM D 1238
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>32</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>19</b>	MPa	ASTM D 638
Elongation at Yield	<b>9</b>	%	ASTM D 638
Elongation at Break	<b>165</b>	%	ASTM D 638
Flexural Modulus	<b>1265</b>	MPa	ASTM D 790
Flexural Strength	<b>35</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 98</b>	-	ASTM D 785
<b>Thermal properties</b>			
<b>ASTM Data</b>			
Vicat Temperature	<b>153</b>	°C	ASTM D 1525
<b>Optical properties</b>			
<b>ASTM Data</b>			
Gloss	<b>155</b>	-	ASTM D 2457
Haze	<b>0.1</b>	%	ASTM D 1003
<b>Other properties</b>			
Density	<b>900</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Film Properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Break, MD	<b>100</b>	MPa	ASTM D 882
Tensile Strength at Break, TD	<b>215</b>	MPa	ASTM D 882
Elongation at Break, MD	<b>85</b>	%	ASTM D 882
Elongation at Break, TD	<b>15</b>	%	ASTM D 882
Thickness of specimen	<b>0.02</b>	mm	-

**Characteristics****Processing**

Film Extrusion

**Special Characteristics**

Transparent

**Features**

Good Adhesion, High Gloss, Homopolymer

**Certifications**

Food contact, Food approval 10/2011, Food approval FDA 21 CFR

**Applications**

Packaging

**Regional Availability**

North America, Europe, Asia Pacific