

FY3011E

PP

Sumitomo Chemical Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	3	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	34	MPa	ASTM D 638
Tensile Strength at Break	19	MPa	ASTM D 638
Elongation at Yield	9	%	ASTM D 638
Elongation at Break	165	%	ASTM D 638
Flexural Modulus	1300	MPa	ASTM D 790
Flexural Strength	35	MPa	ASTM D 790
Rockwell Hardness	R 98	-	ASTM D 785

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Vicat Temperature	152	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	900	kg/m ³	ASTM D 792

Characteristics**Processing**

Fiber Extrusion, Other Extrusion

Features

Homopolymer

Certifications

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

Applications

Monofilament

Regional Availability

North America, Europe, Asia Pacific