

FY4012E

PP

Sumitomo Chemical Co., Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 4 | g/10min | ASTM D 1238 |
| Temperature | 230 | °C | - |
| Load | 2.16 | kg | - |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------|-------------|------|---------------|
| ASTM Data | | | |
| Tensile Strength at Yield | 32 | MPa | ASTM D 638 |
| Tensile Strength at Break | 18 | MPa | ASTM D 638 |
| Elongation at Yield | 9 | % | ASTM D 638 |
| Elongation at Break | 110 | % | ASTM D 638 |
| Flexural Modulus | 1300 | MPa | ASTM D 790 |
| Rockwell Hardness | R 99 | - | 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