

**FY4012E**

PP

Rabigh Refining &amp; Petrochemical Co.

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

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
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
<b>ASTM Data</b>			
Vicat Temperature	152	°C	ASTM D 1525

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

**Characteristics****Processing**

Other Extrusion

**Applications**

Monofilament

**Delivery form**

Pellets, Granules

**Regional Availability**

Near East/Africa

**Features**

Low Odor, Homopolymer