

# Petro Rabigh PP FY2011E

Polypropylene Homopolymer  
Rabigh Refining & Petrochemical Co.

Message:

FY2011E is a homopolymer polypropylene intended for yarn extrusion. Yarn made from these resin exhibit excellent mechanical properties. It is also suitable for Thermoforming application.

Applications

Woven sacks

Thermoforming

Monofilament

Strapping bands.

General Information			
Features	Homopolymer		
Uses	Bags  monofilament  Belt material  Line		
Processing Method	Thermoforming  Filament extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.2	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	98		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	33.0	MPa	ASTM D638
Fracture	19.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	9.0	%	ASTM D638
Fracture	160	%	ASTM D638
Flexural Modulus	1300	MPa	ASTM D790
Flexural Strength	34.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	3.0	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	152	°C	ASTM D1525 <sup>1</sup>
Extrusion	Nominal Value	Unit	

Melt Temperature	250	°C
Extrusion instructions		
Stretching Temperature: 155°CStretching Ratio: 4 to 6		
NOTE		
1.	压力1 (10N)	

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