

# Petro Rabigh PP FY3011E

Polypropylene Homopolymer  
Rabigh Refining & Petrochemical Co.

Message:

FY3011E is a homopolymer polypropylene intended for yarn extrusion characterized by ease of processing and low heat shrinkage. Yarn made from this resin exhibit excellent mechanical property. It is also suitable for Thermoforming application.

- Applications
- Woven sacks
  - Woven cloths
  - Binding tape
  - Monofilament

General Information			
Features	Homopolymer		
	Workability, good		
	Low shrinkage		
Uses	Strap		
	Bags		
	monofilament		
	Line		
	Fabric		
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)	3.0	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	34.0	MPa	ASTM D638
Fracture	19.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	9.0	%	ASTM D638
Fracture	170	%	ASTM D638
Flexural Modulus	1300	MPa	ASTM D790
Flexural Strength	35.0	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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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

