

POLYPROPYLENE

FY3011E

Polypropylene Homopolymer for Yarn/Raffia

Description

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

Applications

- Woven sacks
- Carpet packing
- Binding tape
- Monofilament

Resin Properties	Unit	Test Method	Typical Value
MFR (230°C/2.16Kg)	g/10min	ASTM D1238	3.0
Density	g/cm ³	ASTM D792 Method A	0.9
Mechanical Properties*			
Tensile Strength at Yield	MPa	ASTM D638	34
Tensile Elongation at Yield	%	ASTM D638	9.0
Tensile Strength at Break	MPa	ASTM D638	19
Tensile Elongation at Break	%	ASTM D638	165
Flexural Modulus	MPa	ASTM D790	1300
Flexural Strength	MPa	ASTM D790	35
Izod Impact, Notched 23deg.C	kJ/m ²	ASTM D256	3.0
Rockwell Hardness		ASTM D785	98
Thermal Properties*			
Vicat Softening Temperature @10N	°C	ASTM D1525	152

*Test specimen preparation method: Compliant with ASTM D 4101.

Processing conditions: Recommended Extrusion Temperature: 230 – 260 °C, Stretching Temperature: 140 – 160 °C and Stretching Ratio 4-6.

Storage and handling: FY3011E should be stored in a dry cool place with adequate ventilation and protected from UV-light at temperature below 50 °C. It is advisable to process polypropylene resins within 6 months after delivery.

Food Contact Compliance and other Regulations: Please visit Petro Rabigh website.

Disclaimer: © Petro Rabigh. All information supplied by or on behalf of Petro Rabigh in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but Petro Rabigh assumes no liability whatsoever in respect of application, processing or use made of the provided information or products, or any consequence thereof. The user is solely responsible and liable with respect to the application, processing or use of the provided information or product, whose quality and other properties shall be verified, or any consequence thereof. No liability whatsoever shall attach to Petro Rabigh for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the provided information or products by the user. To the extent the user is entitled to disclose and distribute this document, the user may forward, distribute, and/or photocopy this copyrighted document only if unaltered and complete, including all of its headers, footers, disclaimers, and other information.

Kingdom of Saudi Arabia
Petro Rabigh
Marketing & Product Development
Quality Assurance & Claim Handling Section
Tel: +966 12 425 7189
Fax: +966 12 425 8224
www.petrorabigh.com