POLYPROPYLENE

FS2011E

Polypropylene Homopolymer for Biaxially Oriented Film

Description

FS2011E is a polypropylene homopolymer intended for the extrusion of biaxially oriented film. It is easy to process and suitable for metallization. The film made from this resin exhibits excellent transparency, excellent mechanical and barrier properties.

Applications

- Food packaging
- Printing lamination
- Adhesive tape
- Stationary Packaging
- Metalized film

	Unit	Test Method	Typical Value
	g/10min	ASTM D1238	2.2
	g/cm ³	ASTM D792 Method A	0.9
	MPa	ASTM D638	32
	%	ASTM D638	9.0
	MPa	ASTM D638	19
	%	ASTM D638	155
	MPa	ASTM D790	1280
	MPa	ASTM D790	34
	kJ/m ²	ASTM D256	2.9
		ASTM D785	98
MD	MPa	ASTM D882	110
TD			215
MD	%	ASTM D882	85
TD			17
MD	MPa	ASTM D882	2050
TD			3700
	%	ASTM D1003	0.2
		ASTM D2457	155
10N	°C	ASTM D1525	153
	TD MD TD MD TD	g/cm³ g/cm³ MPa % MPa % MPa % MPa % MPa % MPa % TD MPa MPa % TD % TD MPa % TD %	g/cm³ASTM D792 Method Ag/cm³ASTM D792 Method AMPaASTM D638%ASTM D638MPaASTM D638%ASTM D638MPaASTM D790MPaASTM D790kJ/m²ASTM D790kJ/m²ASTM D256ASTM D785ASTM D785MD%TD%MDMPaASTM D882MD%ASTM D882MD%ASTM D882MD%ASTM D882MD%ASTM D1003ASTM D2457

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

**Film processing conditions: Single layer film produced by sequential bi-axially oriented film machine, MDO stretching ratio is 5, TDO stretching ratio is 8, Film thickness 20 µm.

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شركة رابغ للتكرير والبتروكيماويات Rabigh Refining & Petrochemical Co.



Processing conditions: Recommended Extrusion Temperature: 190 – 250 °C

Stretching Temperature: 130 - 160°C

Stretching Ratio MD/TD: 4 – 7 / 7 – 10

Storage and handling: FS2011E 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.

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