

# Marlex® PP SMX-360SP

Polypropylene Homopolymer

Saudi Polymers Company

## Message:

Typical raffia, fiber/yarn applications include:

Non-woven spunbond fabrics

Very fine denier multifilament fiber

Extrusion coating

Good resistance to gas fading

General Information			
Features	Homopolymer Resistance to gas fading Controlled rheology Compliance of Food Exposure		
Uses	Spunbond nonwoven fabric Coating application Filament Fiber Line Fabric		
Agency Ratings	FDA not rated Europe No 10/2011		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Density	0.903	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (shaw d, 3.20mm, injection molding)	71		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 3.20 mm, Injection Molded)	34.0	MPa	ASTM D638
Flexural Modulus - Secant <sup>2</sup> (3.20 mm, Injection Molded)	1310	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	21	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm, Injection Molded)	93.0	°C	ASTM D648

#### Additional Information

Mechanical properties were determined using injection-moulded specimens 3.2 mm thick, moulded per ASTM D4101, unless otherwise noted.

#### NOTE

1. 51 mm/min
2. 1.3 mm/min

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### Recommended distributors for this material

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