

Marlex® PP HGX-030SP

Polypropylene Homopolymer

Saudi Polymers Company

Message:

- Typical raffia, fiber/yarn applications include:
- Woven industrial fabric and bag
 - Rope and cordage
 - Woven carpet backing
 - Woven geotextile fabrics
 - Large parts
 - Good resistance to gas fading

General Information			
Features	Homopolymer		
	Resistance to gas fading		
	Compliance of Food Exposure		
Uses	Bags		
	Carpet backing		
	Textile applications		
	Rope		
	Fiber		
	Line		
	Fabric		
Agency Ratings	EC 1935/2004		
	EC 2023/2006		
	FDA 21 CFR 176.170(c) 2		
	FDA 21 CFR 177.1520(c) 1.1		
	Europe No 10/2011		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.906	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (shaw d, 3.20mm, injection molding)	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm, Injection Molded)	37.0	MPa	ASTM D638

Flexural Modulus - Secant ² (3.20 mm, Injection Molded)	1590	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	31	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm, Injection Molded)	101	°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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