

ESENTTIA 40H92-SBC

Polypropylene Homopolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Control reology high melt flow rate Homopolymer polypropylene, excellent uniformity in the spinning of low-denier fibers at high speed and easy mold filling, good balance "stiffness/impact"

Recommended for: Fabrication of Non woven fabrics by high speed Spunbond process, extrusion and spinning of low denier fibers, extrusion coating of raffia woven fabrics, Injection thin wall articles and short cycle times, general purpose injection molding applications.

General Information			
Features	Controlled Rheology		
	Fast Molding Cycle		
	Food Contact Acceptable		
	General Purpose		
	High Flow		
	Homopolymer		
Uses	Fabrics		
	Fibers		
	General Purpose		
	Spunbond Nonwovens		
	Thin-walled Parts		
Agency Ratings	EC 1907/2006 (REACH)		
	EC 1935/2004		
	EC 2023/2006		
	EU 10/2011		
	FDA 21 CFR 177.1520(a)(3)(i)(c)(1)		
	FDA 21 CFR 177.1520(b)		
	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Pellets		
Processing Method	Extrusion Coating		
	Fiber (Spinning) Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	37	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	32.4	MPa	ASTM D638

Tensile Elongation ³ (Yield, 3.20 mm, Injection Molded)	11	%	ASTM D638
Flexural Modulus - 1% Secant ⁴ (3.20 mm, Injection Molded)	1280	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	27	J/m	ASTM D256A
NOTE			
1.	Procedure B		
2.	Type I, 50 mm/min		
3.	Type I, 50 mm/min		
4.	Type I, 1.3 mm/min		

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