

ESENTTIA 25H35-SB

Polypropylene Homopolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Control reology high melt flow rate narrow molecular weight distribution Homopolymer polypropylene, lot to lot consistency, with special additives package and high cleanness, to get stable spinning processability in low denier fiber at high speed, good gas fading resistant. Recommended for: Fabrication of Non woven fabrics by high speed Spunbond process, melt spinning of low denier fibers, extrusion coating of raffia woven fabrics, general purpose injection molding applications.

General Information			
Additive	Unspecified Additive		
Features	Clean/High Purity		
	Controlled Rheology		
	Food Contact Acceptable		
	Gas-fading Resistant		
	General Purpose		
	High Flow		
	Homopolymer		
	Narrow Molecular Weight Distribution		
Uses	Fabrics		
	Fibers		
	General Purpose		
	Spunbond Nonwovens		
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)	25	g/10 min	ASTM D1238

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	33.1	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)	1240	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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