

ESENTTIA 18H86

Polypropylene Homopolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Medium melt flow rate Homopolymer polypropylene with high cleanness and stable processability, good tenacity/elongation balance, gas fading resistant, excellent whiteness.
Recommended for: Staple fibers for carpets, blankets and filters, CF and BCF process for ropes, cords, rugs and carpets, general purpose injection molding applications.

General Information			
Features	Clean/High Purity		
	Food Contact Acceptable		
	Gas-fading Resistant		
	General Purpose		
	Good Processing Stability		
	Homopolymer		
	Medium Flow		
Uses	Filters		
	General Purpose		
	Rope		
	Staple Fibers		
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)		
Forms	Pellets		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	17	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	35.2	MPa	ASTM D638
Tensile Elongation ³ (Yield, 3.20 mm, Injection Molded)	9.0	%	ASTM D638

Flexural Modulus - 1% Secant ⁴ (3.20 mm, Injection Molded)	1520	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	32	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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