

ESENTTIA 11H01-R2

Polypropylene Homopolymer
Polipropileno del Caribe S.A.

Message:

Characteristics: Medium melt flow rate Homopolymer polypropylene with high stiffness.
Recommended for: Injection molding of rigid articles, closures, furniture, general purpose injection molding applications.

General Information			
Features	Food Contact Acceptable		
	General Purpose		
	High Rigidity		
	High Stiffness		
	Homopolymer		
	Medium Flow		
Uses	Closures		
	Furniture		
	General Purpose		
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)	13	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	35.9	MPa	ASTM D638
Tensile Elongation ³ (Yield, 3.20 mm, Injection Molded)	8.0	%	ASTM D638
Flexural Modulus - 1% Secant ⁴ (3.20 mm, Injection Molded)	1620	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	37	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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