

ESENTTIA 40H92N

Polypropylene Homopolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: High melt flow rate Homopolymer polypropylene with high stiffness and easy mold filling, with nucleant additive.

Recommended for: Injection molding of thin wall rigid containers, fast cycle time, general purpose injection molding applications.

General Information			
Additive	Nucleating Agent		
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	General Purpose		
	High Flow		
	High Rigidity		
	High Stiffness		
	Homopolymer		
Nucleated			
Uses	General Purpose		
	Thin-walled Containers		
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	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	38	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	37.9	MPa	ASTM D638
Tensile Elongation ³ (Yield, 3.20 mm, Injection Molded)	6.6	%	ASTM D638
Flexural Modulus - 1% Secant ⁴ (3.20 mm, Injection Molded)	1900	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C, 3.20 mm,
Injection Molded)

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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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