ESENTTIA 02H84ND

Polypropylene Homopolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Homopolymer polypropylene with excellent mechanical properties and color, high processing speed and excellent gage control, with nucleant and mold release additives.

Recommended for: Extrusion compression molding of closures for carbonated beverages or not, extrusion and injection molding general purpose applications.

General Information				
Additive	Mold Release			
	Nucleating Agent			
Features	Food Contact Acceptable			
	General Purpose			
	Good Gauge Control Good Mold Release			
	Homopolymer			
	Nucleated			
Uses	Closures			
	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)			
	FDA 21 CFR 177.1520(c) 3.1a			
Forms	Pellets			
Processing Method	Compression Molding			
	Extrusion			
	Injection Molding			
Physical	Nominal Value	Unit	Test Method	
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	2.1	g/10 min	ASTM D1238	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	37.2	МРа	ASTM D638	

Tensile Elongation ³ (Yield, 3.20 mm, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant ⁴ (3.20 mm, Injection Molded)	1720	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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