

ESENTTIA 130C80ND

Polypropylene Impact Copolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Very high flow rate control reology Impact block copolymer polypropylene; good impact/stiffness balance; ease of processing allows increased design freedom and higher productivity; excellent dimensional stability; good surface finish color; with nucleant and mold release additives. Recommended for: Injection molding of thin complex parts; housewares and consumer products.

General Information			
Additive	Mold Release		
	Nucleating Agent		
Features	Block Copolymer		
	Controlled Rheology		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Mold Release		
	Good Processability		
	High Flow		
	Nucleated		
Uses	Consumer Applications		
	Household Goods		
	Thin-walled Parts		
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)	130	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	23.8	MPa	ASTM D638

Tensile Elongation ³ (Yield, 3.20 mm, Injection Molded)	5.0	%	ASTM D638
Flexural Modulus - 1% Secant ⁴ (3.20 mm, Injection Molded)	1140	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	53	J/m	ASTM D256A
Gardner Impact ⁵			ASTM D5420
-30°C, 3.20 mm, Injection Molded	10.2	J	
23°C, 3.20 mm, Injection Molded	20.3	J	
NOTE			
1.	Procedure B		
2.	Type I, 50 mm/min		
3.	Type I, 50 mm/min		
4.	Type I, 1.3 mm/min		
5.	Method A		

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