

# ESENTTIA 16C12NA

Polypropylene Impact Copolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Impact block copolymer polypropylene with good impact/stiffness balance and tough weld line.  
Recommended for: Injection molding of rigid containers as pails, buckets, housewares and industrial applications.

General Information			
Features	Block Copolymer		
	Food Contact Acceptable		
	High Rigidity		
Uses	Containers		
	Household Goods		
	Industrial Applications		
	Pails		
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) <sup>1</sup> (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield, 3.20 mm, Injection Molded)	21.7	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Yield, 3.20 mm, Injection Molded)	6.5	%	ASTM D638
Flexural Modulus - 1% Secant <sup>4</sup> (3.20 mm, Injection Molded)	1100	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	530	J/m	ASTM D256A
Gardner Impact <sup>5</sup> (-30°C, 3.20 mm, Injection Molded)	31.6	J	ASTM D5420

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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#### Recommended distributors for this material

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