

ESENTTIA 60C55ND

Polypropylene Impact Copolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: High melt flow rate control reology Impact block copolymer polypropylene; very high impact/stiffness balance; tough weld line; with nucleant and antistatic additives.
Recommended for: Injection molding of rigid containers as pails, buckets, housewares, industrial applications; compounding for the automotive industry; TPO.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Block Copolymer		
	Controlled Rheology		
	Food Contact Acceptable		
	High Flow		
	High Rigidity		
	Nucleated		
Uses	Automotive Applications		
	Compounding		
	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	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method

Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	60	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	28.3	MPa	ASTM D638
Tensile Elongation ³ (Yield, 3.20 mm, Injection Molded)	5.5	%	ASTM D638
Flexural Modulus - 1% Secant ⁴ (3.20 mm, Injection Molded)	1450	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 (-30°C, 3.20 mm, Injection Molded)	18.1	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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