ESENTTIA 60C90ND

Polypropylene Impact Copolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: High melt flow rate control reologhy Impact block copolymer polypropylene; good impact/stiffness balance; tough weld line; with nucleant and mold release additives.
Recommended for: Injection molding of thin wall rigid containers, fast cycle time; injection molding general purpose applications.

General Information	
Additive	Mold Release
	Nucleating Agent
Features	Block Copolymer
	Controlled Rheology
	Fast Molding Cycle
	Food Contact Acceptable
	General Purpose
	Good Mold Release
	High Flow
	High Rigidity
	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)	60	g/10 min	ASTM D1238

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength [2] (Yield, 3.20 mm, Injection Molded)	24.8	MPa	ASTM D638

Tensile Elongation [3] (Yield, 3.20 mm, Injection Molded)	5.2	%	ASTM D638
Flexural Modulus - 1% Secant [4] (3.20 mm, Injection Molded)	1210	MPa	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	59	J/m	ASTM D256A
Gardner Impact [5]			ASTM D5420
-30°C, 3.20 mm, Injection Molded	22.6	J	
23°C, 3.20 mm, Injection Molded	12.4	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

Recommended distributors for this material

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