

ESENTTIA 05C05

Polypropylene Impact Copolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Impact Block Copolymer polypropylene; high impact/stiffness balance.
Recommended for: Injection and extrusion molding general purpose applications.

General Information			
Features	Block Copolymer		
	Food Contact Acceptable		
	General Purpose		
Uses	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)		
Forms	Pellets		
	Extrusion		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	25.5	MPa	ASTM D638
Tensile Elongation ³ (Yield, 3.20 mm, Injection Molded)	8.0	%	ASTM D638
Flexural Modulus - 1% Secant ⁴ (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)	110	J/m	ASTM D256A
Gardner Impact ⁵ (-30°C, 3.20 mm, Injection Molded)	20.3	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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