ESENTTIA 12C20

Polypropylene Impact Copolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Control reologhy Impact Block Copolymer polypropylene; high impact/stiffness balance; tough weld line.
Recommended for: Injection molding of seats, furniture and industrial applications; compounding; housewares; injection molding general purpose applications.

General Information	
Features	Block Copolymer Controlled Rheology Food Contact Acceptable General Purpose
Uses	Compounding Furniture General Purpose Household Goods Industrial Applications Seats
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)	13	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield, 3.20 mm, Injection Molded)	22.1	MPa	ASTM D638
Tensile Elongation [3] (Yield, 3.20 mm, Injection Molded)	7.5	%	ASTM D638

Flexural Modulus - 1% Secant [4] (3.20 mm, Injection Molded)	1030	MPa	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	160	J/m	ASTM D256A
Gardner Impact [5] (-30°C, 3.20 mm, Injection Molded)	27.1	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

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China