

ESENTTIA 08C01T

Polypropylene Impact Copolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Control reology Impact Block Copolymer polypropylene; high impact/stiffness balance; excellent thermal stability.
Recommended for: Injection molding of batteries cases, automotive parts, housewares; injection molding general purpose applications.

General Information			
Features	Block Copolymer		
	Controlled Rheology		
	Food Contact Acceptable		
	General Purpose		
	Good Thermal Stability		
Uses	Automotive Applications		
	Battery Cases		
	General Purpose		
	Household Goods		
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		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	7.5	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)	7.8	%	ASTM D638
Flexural Modulus - 1% Secant ⁴ (3.20 mm, Injection Molded)	1240	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	120	J/m	ASTM D256A

Gardner Impact ⁵ (-30°C, 3.20 mm, Injection Molded)		28.2	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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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



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