

ESENTTIA 01C27NT-T

Polypropylene Impact Copolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Natural color high molecular weight fractional melt flow rate Impact block copolymer polypropylene; very high impact strength; excellent chemical resistance.

Recommended for: Extrusion of non-pressure pipes & fittings, thin-walled corrugated pipes and profiles process; sewage and rainwater systems, tanks and pipes for the chemical industry; ground and domestic drainage; extrusion blow molding containers.

General Information			
Features	Block Copolymer		
	Food Contact Acceptable		
	Good Chemical Resistance		
	High Impact Resistance		
	High Molecular Weight		
Uses	Containers		
	Fittings		
	Piping		
	Profiles		
	Tanks		
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		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion Blow Molding		
	Pipe Extrusion		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	31.0	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)	1500	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	690	J/m	ASTM D256A
Gardner Impact ⁵ (-30°C, 3.20 mm, Injection Molded)	11.3	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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