

ESENTTIA 01R25

Polypropylene Random Copolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Low melt flow rate high ethylene level Random copolymer polypropylene, very good impact.
Recommended for: Extrusion blow molding containers; co-extruded blown films; extrusion of strapping, Cartonplast; sheet extrusion and Solid Pressure Phase Forming of containers that require clarity and very good impact resistance, pure or blended with homopolymer.

General Information	
Features	Food Contact Acceptable
	High Clarity
	High Impact Resistance
	Low Flow
	Random Copolymer
Uses	Blown Film
	Containers
	Sheet
	Strapping
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	FDA 21 CFR 177.1520(c) 3.1a
Forms	Pellets
Processing Method	Blown Film
	Coextrusion
	Extrusion
	Extrusion Blow Molding
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	24.1	MPa	ASTM D638

Tensile Elongation ³ (Yield, 3.20 mm, Injection Molded)	14	%	ASTM D638
Flexural Modulus - 1% Secant ⁴ (3.20 mm, Injection Molded)	793	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	130	J/m	ASTM D256A
Gardner Impact ⁵ (23°C, 3.20 mm, Injection Molded)	30.5	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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