

ESENTTIA 03H83A

Polypropylene Homopolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Homopolymer polypropylene with high cleanness and stable processability, excellent impact/stiffness balance, with antistatic additives.
Recommended for: Solid Pressure Phase Forming (SPPF) of industrial packing, general purpose extrusion and injection molding applications.

General Information	
Additive	Antistatic
Features	Antistatic
	Clean/High Purity
	Food Contact Acceptable
	General Purpose
	Good Processing Stability
	Homopolymer
Uses	General Purpose
	Industrial Applications
	Packaging
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	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	33.1	MPa	ASTM D638
Tensile Elongation ³ (Yield, 3.20 mm, Injection Molded)	11	%	ASTM D638
Flexural Modulus - 1% Secant ⁴ (3.20 mm, Injection Molded)	1380	MPa	ASTM D790A

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	40	J/m	ASTM D256A
NOTE			
1.	Procedure B		
2.	Type I, 50 mm/min		
3.	Type I, 50 mm/min		
4.	Type I, 1.3 mm/min		

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