

ESENTTIA 03H83-AV

Polypropylene Homopolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Homopolymer polypropylene with stable processability and high cleanness, lot to lot uniformity, excellent gauge control, easy stretching and orientation.
Recommended for: High speed BOPP lines, it is suitable for metallizable film, films that require excellent transparency and gloss, extrusion and injection molding general purpose applications.

General Information			
Features	Clean/High Purity		
	Food Contact Acceptable		
	General Purpose		
	Good Gauge Control		
	Good Processing Stability		
	Good Stretchability		
	High Gloss		
	Homopolymer		
	Metallizable		
Uses	Film		
	General Purpose		
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	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
	Film Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	3.2	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method


Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	33.8	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)	1410	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	32	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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