

# ESENTTIA 05H82-AV

Polypropylene Homopolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Homopolymer polypropylene with high cleanness and stable processability, excellent gage control, easy stretching and orientation to high speed and low water carry-over.  
Recommended for: Raffia Tapes for woven fabrics in high speed line where needs high tenacity and strength, ropes, cords, industrial bags, carpet backing, big bags, general purpose extrusion and injection molding applications.

General Information			
Features	Clean/High Purity		
	Food Contact Acceptable		
	General Purpose		
	Good Gauge Control		
	Good Processing Stability		
	Good Stretchability		
	High Strength		
	Homopolymer		
	Low Water Carryover		
Uses	Bags		
	Carpet Backing		
	Fabrics		
	General Purpose		
	Industrial Applications		
	Rope		
	Tape		
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) <sup>1</sup> (230°C/2.16 kg)	4.6	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield, 3.20 mm, Injection Molded)	33.4	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Yield, 3.20 mm, Injection Molded)	12	%	ASTM D638
Flexural Modulus - 1% Secant <sup>4</sup> (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)	43	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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#### Recommended distributors for this material

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