

# ESENTTIA 08H33

Polypropylene Homopolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Homopolymer polypropylene with high stiffness and cleanness with excellent optical properties.  
Recommended for: Non oriented films with high clarity and stiffness, twist films and films for metallization, general purpose injection molding applications.

General Information			
Features	Clean/High Purity		
	Food Contact Acceptable		
	General Purpose		
	High Clarity		
	High Stiffness		
	Homopolymer		
	Opticals		
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		
Forms	Pellets		
Processing Method	Film Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) <sup>1</sup> (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield, 3.20 mm, Injection Molded)	36.5	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Yield, 3.20 mm, Injection Molded)	8.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>4</sup> (3.20 mm, Injection Molded)	1690	MPa	ASTM D790A

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	37	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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