

ESENTTIA 02H82-AC

Polypropylene Homopolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Homopolymer polypropylene with high crystallinity and high stiffness properties, high barrier and ability to maintain their mechanical properties at high temperatures with high cleaning and processability stable batch to batch consistency, excellent thickness control.
Recommended for: Manufacture of biaxial oriented and Cast films of high rigidity, metallized films, raffia ribbons to make big bags, geotextiles, bottles, straws, hoops, ropes, stationery, sheet and thermoformed packaging, extrusion and injection of general purpose items where required these features.

General Information	
Features	Barrier Resin
	Cleanable
	Food Contact Acceptable
	General Purpose
	Good Processability
	High Rigidity
	High Stiffness
	Highly Crystalline
	Homopolymer
Uses	Bags
	Bi-axially Oriented Film
	Bottles
	Cast Film
	Drinking Straws
	General Purpose
	Packaging
	Ribbons
	Rope
	Sheet
	Stationary Supplies
	Textile Applications
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	Bi-axially Oriented Film
	Cast Film
	Extrusion
	Injection Molding
	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	2.3	g/10 min	ASTM D1238

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	37.2	MPa	ASTM D638
Tensile Elongation ³ (Yield, 3.20 mm, Injection Molded)	7.5	%	ASTM D638
Flexural Modulus - 1% Secant ⁴ (3.20 mm, Injection Molded)	1860	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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT