

ESENTTIA 03H83

Polypropylene Homopolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Homopolymer polypropylene with high cleanness and stable processability.
Recommended for: Solid Pressure Phase Forming (SPPF) of disposable cups, general purpose extrusion and injection molding applications.

General Information			
Features	Clean/High Purity		
	Food Contact Acceptable		
	General Purpose		
	Good Processing Stability		
	Homopolymer		
Uses	Cups		
	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	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)	33.8	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)	1380	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	45	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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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



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