

CERTENE™ PBS-07NB

Polypropylene Impact Copolymer

Muehlstein

Message:

PBS-07NB is a certified prime High Impact PP Copolymer designed primarily for extrusion applications needing very high impact strength, good stiffness and thermal stability. PBS-07NB applications include corrugated sheet, blow molded containers, tubing and netting. PBS-07NB complies with FDA regulation 21CFR 177.1520(c)3.2a and most international regulations concerning the use of Polypropylene in contact with food.

General Information			
Features	Rigid, good		
	Impact copolymer		
	Impact resistance, high		
	Thermal stability, good		
	Compliance of Food Exposure		
Uses	Wave plate		
	Blow molding applications		
	Pipe fittings		
	Container		
	Web		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Particle		
Processing Method	Blow molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	25.5	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C, injection molding	340	J/m	ASTM D256
23°C, injection molding	No Break		ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	95.0	°C	ASTM D648
Additional Information			
Tests done on injection-molded specimens made according to ASTM D 4101.			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	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

