CERTENE™ PBM-2NB

Polypropylene Impact Copolymer

Muehlstein

Message:

PBM-2NB is a certified prime BLOW MOLDING NO BREAK grade developed for Extra High Izod Impact containers produced by Thermoforming, Extrusion-Blow or Injection-Blow molding equipment. PBM-2NB is a Nucleated resin of high melt strength offering optimized melt stability for consistent, easy processability, and Very Good Low Temperature Drop Impact resistance. PBM-2NB typical applications include pharmaceutical, food and dairy containers, cosmetics, toiletry, and health aid products requiring superior Rigidity, Toughness and Good Organoleptic properties. PBM-2NB complies with FDA regulation 21CFR 177.1520 (a)(3)(i) (c)3.1+3.2, and most international regulations concerning Polypropylene use in contact with food .

General Information			
Additive	Nucleating Agent		
Features	Food Contact Acceptable Good Melt Strength Good Organoleptic Properties Good Processability Good Toughness High Rigidity Impact Copolymer Low Temperature Impact Resistance Nucleated Ultra High Impact Resistance		
Uses	Bathroom Accessories Cosmetics Food Containers Medical/Healthcare Applications Pharmaceuticals		
Agency Ratings	FDA 21 CFR 177.1520(a) 3 (i) FDA 21 CFR 177.1520(c) 3.1 FDA 21 CFR 177.1520(c) 3.2		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.902	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness [1] (R-Scale)	82		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**

Tensile Strength [2] (Yield, Injection Molded)	29.6	MPa	ASTM D638
Tensile Elongation [3] (Yield, Injection Molded)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant [4] (Injection Molded)	1240	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, Injection Molded)	No Break		ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	88.0	°C	ASTM D648
Vicat Softening Temperature [5]	135	°C	ASTM D1525

NOTE	
1.	Injection molded
2.	50 mm/min
3.	50 mm/min
4.	1.3 mm/min
5.	Injection molded

Recommended distributors for this material

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WECHAT