

CERTENE™ PBM-35AN

Polypropylene Impact Copolymer

Muehlstein

Message:

PBM-35AN is a certified prime grade Nucleated Impact copolymer designed for general purpose injection molding applications requiring good balance of stiffness and impact resistance. PBM-35AN is formulated with Antistatic to protect against dust build-up, and offers high flow rate, good processability, fast cycling, and very good dimensional stability. PBM-35AN applications include automotive interior trim, food and medical containers, toys, lids, overcaps, closures and household goods. PBM-35AN complies with FDA regulation 21CFR 177.1520 (a)(3)(i) / (c)3.1 + 3.2, and most international regulations concerning the use of Polypropylene in contact with food.

General Information	
Additive	Nucleating agent
	Antistatic property
Features	Nucleated
	Good dimensional stability
	Rigid, good
	Impact copolymer
	Antistatic property
	Impact resistance, high
	Workability, good
	Fast molding cycle
	High liquidity
	Compliance of Food Exposure
	General
Uses	Cover
	Shield
	Household goods
	Car interior equipment
	Food container
	General
	Toys
Agency Ratings	Medical/nursing supplies
	FDA 21 CFR 177.1520(a) 3 (i)
	FDA 21 CFR 177.1520(c) 3.1
Forms	FDA 21 CFR 177.1520(c) 3.2
	Particle
Processing Method	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	87		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	28.6	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	1520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	118	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525

Additional Information

All specimens were injection molded according to ASTM D2146 Type 1.

NOTE

1. 50 mm/min
2. 50 mm/min
3. 1.3 mm/min

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