

CERTENE™ PBM-80N

Polypropylene Impact Copolymer
Muehlstein

Message:

PBM-80N is a certified prime, Impact Copolymer with a Nucleating additive designed for general-purpose injection molding applications wanting easy mold flow, a good balance of physical properties and good dimensional stability. PBM-80N applications include packaging, housewares and consumer goods. PBM-80N complies with FDA regulation 21 CFR 177.1520.

General Information			
Additive	Nucleating agent		
Features	Nucleated		
	Good dimensional stability		
	Impact copolymer		
	Good liquidity		
	Compliance of Food Exposure		
Uses	Packaging		
	Household goods		
	Consumer goods application field		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	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)	80	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.5	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus - 1% Secant ¹	1070	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	106	°C	ASTM D648
Additional Information			
Specimens were injection molded according to ASTM D 4101.			
NOTE			
1.	1.3 mm/min		

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