

CERTENE™ PBM-20N

Polypropylene Impact Copolymer
Muehlstein

Message:

PBM-20N is a Nucleated, certified prime grade for injection molding applications needing Medium Impact Performance. PBM-20N applications include storage containers, bins and crates. PBM-20N complies with FDA regulation 21CFR 177.1520(c) 3.2a, conditions of use B-H (per 21 CFR 176.170(c)).

General Information			
Additive	Nucleating agent		
Features	Nucleated		
	Impact copolymer		
	Compliance of Food Exposure		
	Medium impact resistance		
Uses	Container		
	Loading box		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a 1		
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)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm, Injection Molded)	26.2	MPa	ASTM D638
Tensile Elongation ² (Yield, 3.20 mm, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant ³	1240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	130	J/m	ASTM D256
Additional Information			
Tests made on injection-molded specimens 1/8 in (3.2 mm) thick molded according to ASTM D 4101.			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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