

CERTENE™ PBM-8

Polypropylene Impact Copolymer

Muehlstein

Message:

PBM-8 is a certified prime grade copolymer resin exhibiting high crystallinity and high impact, designed for injection molding medium melt flow rate. PBM-8 has features of good colorability, good dimensional stability, medium flow, and medium impact resistance. PBM-8 can be used to make automotive applications, automotive interior trim, automotive interior parts, child safety seat, toys and consumer applications. PBM-8 complies with FDA regulation 21CFR 177.1520(c)(3), 1a / 3.2a, and most international regulations for use in contact with food.

General Information			
Features	Good dimensional stability		
	High crystallization		
	Copolymer		
	Impact resistance, high		
	Good coloring		
	Medium liquidity		
	Compliance of Food Exposure		
Uses	Application in Automobile Field		
	Car interior parts		
	Car interior equipment		
	Toys		
	Consumer goods application field		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
	FDA 21 CFR 177.1520(c) 3.2a		
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)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	25.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant ³	1130	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	230	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	82.0	°C	ASTM D648

Vicat Softening Temperature	130	°C	ASTM D1525
Additional Information			
Test made on injection molded Type 1 tension test specimen according to ASTM D 2146.			
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	1.3 mm/min		

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