

CERTENE™ PBM-35

Polypropylene Impact Copolymer
Muehlstein

Message:

PBM-35 is a certified prime grade Impact copolymer designed for injection molding of applications requiring optimal balance of stiffness and impact resistance. PBM-35 offers improved processability, high melt flow for easy filling multicavity and intricate mold geometry, fast cycling , and very good dimensional stability. PBM-35 applications include automotive interior trim, thin-walled parts, toys, overcaps, closures and household goods. PBM-35 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			
Features	Good dimensional stability		
	Rigid, good		
	Impact copolymer		
	Impact resistance, high		
	Workability, good		
	Fast molding cycle		
	High liquidity		
	Compliance of Food Exposure		
Uses	Thin wall parts		
	Shield		
	Household goods		
	Car interior equipment		
	Toys		
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	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)	83		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	26.2	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	9.0	%	ASTM D638

Flexural Modulus - 1% Secant ³ (Injection Molded)	1310	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)	103	°C	ASTM D648
Vicat Softening Temperature	135	°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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

