

# CERTENE™ PBM-50

Polypropylene Impact Copolymer  
Muehlstein

Message:

PBM-50 is a certified prime grade Impact copolymer designed for injection molding applications. PBM-50 offers high flow rate, good low temperature impact, and a high flexural modulus. PBM-50 applications include trays, thin walled parts, and housewares.

General Information			
Features	Impact copolymer		
	Good flexibility		
	High liquidity		
	Low temperature impact resistance		
Uses	Thin wall parts		
	Household goods		
	Bracket tray		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.901	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	50	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Injection Molded)	29.6	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (Injection Molded)	1170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	91	J/m	ASTM D256
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

