

MELT - 12

DENSITY - 0.900

**PBM-12** is a certified prime grade Medium-Impact INJECTION MOLDING specially designed for applications requiring good impact resistance at low temperatures. **PBM-12** complies with FDA regulation 21CFR 177.1520 (a)(3)(i) / (c)3.1 + 3.2, and with most international regulations concerning the use of Polypropylene in contact with food articles.

### Features:

- Fast molding cycle
- Good dimensional stability
- Good processability
- High heat resistance
- Low temperature impact resistance
- Medium flow
- medium impact resistance

### Typical Applications:

- Automotive parts and interior trimming
- Appliance parts
- Tackle boxes
- Gun and tool cases
- Toys
- Industrial components
- Caps
- Closures and housewares

PROPERTIES	ASTM	UNIT	VALUES
<b>PHYSICAL</b>			
Density	D1505	g/cm <sup>3</sup>	0.900
Melt Flow Rate (190°C, 2.16kg)	D1238	g/10 min	12
<b>MECHANICAL</b>			
Tensile Strength (Yield, 0.126 in.)	D638	psi	3500
Tensile Elongation (Yield, 0.126 in.)	D638	%	13
Flexural Modulus - 1% Secant	D790	psi	148k
Notched Izod Impact	D256	ft-lb/in	2.3
Rockwell Hardness (R-Scale)	D785		80
HDT Under Load (66 psi, Unannealed)	D648	°F	185
Vicat Softening Temperature	D1525	°F	284