

## PBM-12AN Polypropylene Impact Copolymer

MELT - 12

DENSITY - 0.900

**PBM-12AN** is a certified prime grade High-Impact nucleated INJECTION MOLDING co-polymer formulated with antistatic. **PBM-12AN** 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:

- Easy processability
- Static generation protection
- Improved crystallization for faster cycles
- Good impact resistance
- Very good dimensional stability
- Excellent balance of mechanical properties

### Typical Applications:

- Appliance components
- Automotive applications
- Household goods
- Caps
- Industrial Parts

PROPERTIES	ASTM	UNIT	VALUES
<b>PHYSICAL</b>			
Density	D1505	g/cm <sup>3</sup>	0.900
Melt Flow Rate (230°C, 2.16kg)	D1238	g/10 min	12
<b>MECHANICAL (Injection Molded)</b>			
Tensile Strength (Yield, 2 in/min)	D638	psi	3500
Tensile Elongation (Yield, 2 in/min)	D638	%	4.0
Flexural Modulus - 1% Secant (0.051in/min)	D790	psi	185k
Notched Izod Impact @ 73°F	D256	ft-lb/in	3.5
Rockwell Hardness (R-Scale)	D785		80
HDT Under Load (66 psi, Unannealed)	D648	°F	219
Vicat Softening Temperature	D1525	°F	275