

PHM-12AN Polypropylene Homopolymer

MELT - 12

DENSITY - 0.905

PHM-12AN is a certified prime grade Nucleated Polypropylene designed for injection molding of general purpose applications. **PHM-12AN** recommended processing temperature is between 210° to 230°C with mold at 20° to 50°C. **PHM-12AN** complies with FDA regulation 21CFR 177.1520 and with most international regulations concerning the use of Polypropylene in contact with food.

Features:

- General purpose
- Antistatic
- Good processability
- High clarity
- High flow
- High stiffness
- High tensile strength

Typical Applications:

- Thin-walled containers
- Housewares
- Medical ware
- Caps
- Closures
- Toys
- Housing for small electrical appliances

PROPERTIES	ASTM	UNIT	VALUES
PHYSICAL			
Density	D1505	g/cm ³	0.905
Melt Flow Rate (230°C, 2.16kg)	D1238	g/10 min	12
MECHANICAL (INJECTION MOLD)			
Tensile Strength (Yield)	D638	psi	5400
Tensile Elongation (Yield)	D638	%	9.0
Flexural Modulus - 1% Secant	D790	psi	257k
Notched Izod Impact	D256	ft-lb/in	0.65
Rockwell Hardness (R-Scale)	D785		95
HDT Under Load (66psi, Unannealed, Injection Molded)	D648	°F	241
Vicat Softening Temperature	D1525	°F	311