

## PHM-20AN Polypropylene Homopolymer

MELT - 20

DENSITY - 0.905

**PHM-20AN** is a certified prime grade Nucleated Polypropylene designed for Injection Molding of thin-walled lightweight articles. **PHM-20AN** recommended processing temperature is between 220° to 240°C with mold at 20° to 50°C. **PHM-20AN** complies with FDA regulation 21CFR 177.1520 and with most international regulations concerning the use of Polypropylene in contact with food.

### Features:

- Fast molding cycle
- Antistatic
- Good processability
- High clarity
- High ESCR (Stress Crack Resist.)
- High flow, stiffness
- High Tensile strength
- Nucleated

### Typical Applications:

- Lightweight containers
- Medical ware
- Caps and closures
- Housewares

PROPERTIES	ASTM	UNIT	VALUES
<b>PHYSICAL</b>			
Density	D1505	g/cm <sup>3</sup>	0.905
Melt Flow Rate (230°C, 2.16kg)	D1238	g/10 min	20
<b>MECHANICAL (INJECTION MOLD)</b>			
Tensile Strength (Yield)	D638	psi	5400
Tensile Elongation (Yield)	D638	%	11
Flexural Modulus - 1% Secant	D790	psi	270k
Notched Izod Impact (73°F)	D256	ft-lb/in	0.60
Rockwell Hardness (R-Scale)	D785		96
HDT Under Load (66psi, Unannealed, Injection Molded)	D648	°F	253
Vicat Softening Temperature	D1525	°F	309