

MELT - 35

DENSITY - 0.903

**PHM-35AN** is a certified prime grade Nucleated Polypropylene designed for injection molding of lightweight and thin-walled articles. **PHM-35AN** contains antistatic and processing temperature is between 220° to 240°C with mold at 20° to 50°C. **PHM-35AN** complies with FDA regulation 21CFR 177.1520 and most international regulations concerning Polypropylene use in contact with food.

### Features:

- Fast molding cycle
- Antistatic
- Good dimensional stability
- Good processability
- Good surface finish
- High clarity
- High flow
- High tensile strength

### Typical Applications:

- Intricate long-flow path designs
- Multi-cavity parts, caps closures, housewares
- Containers and toys

PROPERTIES	ASTM	UNIT	VALUES
<b>PHYSICAL</b>			
Density	D1505	g/cm <sup>3</sup>	0.903
Melt Flow Rate (230°C, 2.16kg)	D1238	g/10 min	35
<b>MECHANICAL (INJECTION MOLD)</b>			
Tensile Strength (Yield)	D638	psi	4640
Tensile Elongation (Yield)	D638	%	12
Flexural Modulus - 1% Secant	D790	psi	170k
Notched Izod Impact (73°F)	D256	ft-lb/in	0.60
Rockwell Hardness (R-Scale)	D785		83
HDT Under Load (66psi, Unannealed, Injection Molded)	D648	°F	199
Vicat Softening Temperature	D1525	°F	306