

MELT - 35

DENSITY - 0.903

PHM-35 is a certified prime grade Polypropylene designed for injection molding of light-weight and thin-walled applications. **PHM-35** processing temperature is 215° to 235°C with mold at 20° to 50°C. **PHM-35** complies with FDA regulation 21CFR 177.1520 and most international regulations concerning the use of Polypropylene in contact with food.

Features:

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

Typical Applications:

- Long-flow path moldings
- Multi-cavity molds difficult to fill such as caps, closures and lids
- Housewares articles
- Containers
- Large flat trays

PROPERTIES	ASTM	UNIT	VALUES
PHYSICAL			
Density	D1505	g/cm ³	0.903
Melt Flow Rate (230°C, 2.16kg)	D1238	g/10 min	35
MECHANICAL (INJECTION MOLD)			
Tensile Strength (Yield)	D638	psi	4600
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