

PHM-20 Polypropylene Homopolymer

MELT - 20

DENSITY - 0.905

PHM-20 is a certified prime grade Polypropylene designed for injection molding of thin-walled lightweight articles. **PHM-20** recommended processing temperature is between 220° to 240°C with mold at 20° to 50°C. **PHM-20** complies with FDA regulation 21CFR 177.1520 and with most international regulations concerning the use of Polypropylene in contact with food. Specific certificates are available upon request.

Features:

- Fast molding cycle
- Good processability & LTHS
- High ESCR (stress Crack Resist.)
- High flow
- High stiffness
- High tensile strength

Typical Applications:

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

PROPERTIES	ASTM	UNIT	VALUES
PHYSICAL			
Density	D1505	g/cm ³	0.905
Melt Flow Rate (230°C, 2.16kg)	D1238	g/10 min	20
MECHANICAL (INJECTION MOLD)			
Tensile Strength (Yield)	D638	psi	5300
Tensile Elongation (Yield)	D638	%	8.0
Flexural Modulus - 1% Secant	D790	psi	240k
Notched Izod Impact (73°F)	D256	ft-lb/in	0.50
Rockwell Hardness (R-Scale)	D785		94
HDT Under Load (66psi, Unannealed, Injection Molded)	D648	°F	223
Vicat Softening Temperature	D1525	°F	306