

MELT - 35

DENSITY - -

PHM-35R is a certified prime grade CONTROLLED RHEOLOGY developed for INJECTION MOLDING of high performance general purpose applications. **PHM-35R** combines high flow and easy processability with fast cycling and mechanical properties of moldings similar to a 4 to 6 Melt Flow grade. **PHM-35R** processing temperatures is 220° to 240°C with mold at 20° to 50°C. **PHM-35R** complies with FDA regulation 21CFR 177.1520 (c)1.1a concerning the Polypropylene use in contact with food articles.

Features:

- Fast molding cycle
- Controlled rheology
- Good dimensional stability
- Good processability
- High flow
- Warp resistant

Typical Applications:

- Thin-walled multi-cavity caps, closures, and lids
- Household articles
- Medical syringes
- Items requiring good dimensional stability free of warpage, such as straight-sided video cassette boxes

PROPERTIES	ASTM	UNIT	VALUES
PHYSICAL			
Density	D1505	g/cm ³	-
Melt Flow Rate (230°C, 2.16kg)	D1238	g/10 min	35
MECHANICAL			
Tensile Strength @ Yield (2.0 in/min)	D638	psi	4930
Tensile Elongation @ Yield (2.0 in/min)	D638	%	9.0
Flexural Modulus - 1% Secant (0.051in/min)	D790	psi	190k
Notched Izod Impact (73°F)	D256	ft-lb/in	0.60
Rockwell Hardness (R-Scale)	D785		89
HDT Under Load (66psi, Unannealed, Injection Molded)	D648	°F	216
Vicat Softening Temperature	D1525	°F	302