

MELT - 12

DENSITY - 0.900

PRM-12C is a certified prime grade Clarified Injection Molding copolymer specially designed for thin-walled applications requiring excellent clarity and good impact resistance. **PRM-12C** complies with FDA regulation 21CFR 177.1520 (a)(3)(i) / (c)3.1 + 3.2, and most international regulations concerning the use of Polypropylene in contact with food.

Features:

- Fast molding cycle
- Good dimensional stability
- Good impact resistance
- Good processability
- High clarity, gloss, rigidity
- Low warpage
- Medium flow

Typical Applications:

- High quality housewares where high clarity is crucial
- Thin-wall high gloss rigid packaging
- High quality consumer articles

PROPERTIES	ASTM	UNIT	VALUES
PHYSICAL			
Density	D1505	g/cm ³	0.900
Melt Flow Rate (190°C, 2.16kg)	D1238	g/10 min	12
MECHANICAL			
Tensile Strength (Yield, 0.126 in.)	D638	psi	4190
Tensile Elongation (Yield, 0.126 in.)	D638	%	9.0
Flexural Modulus - 1% Secant	D790	psi	170k
Notched Izod Impact	D256	ft-lb/in	1.5
Rockwell Hardness (R-Scale)	D785		89
HDT Under Load (66 psi, Unannealed)	D648	°F	189
Vicat Softening Temperature	D1525	°F	262