

HP-350

Polypropylene Homopolymer

HP-350 is a Polypropylene certified prime resin designed for injection molding of lightweight and thin-walled applications. **HP-350** combines a good balance of high flow processability with high clarity, short cycling, excellent dimensional stability, good tensile strength and good surface finishing. **HP-350** processing temperature is 215° to 235°C with mold at 20°-50°C. **HP-350** complies with FDA regulation 21CFR 177.1520 and most international regulations concerning the use of Polypropylene in contact with food.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
PHYSICAL			
Melt Flow Rate (230°C, 2.16kg)	D1238	g/10 min	35.0
Density	D1505	g/cm ³	0.903
Rockwall Hardness (R-Scale)	D785		83
MECHANICAL			
Flexural Modulus ¹ (1% Secant)	D790	psi	170k
Tensile Strength @ Yield ²	D638	psi	4600
Notched Izod Impact	D256	ft-lb/in	0.60
Tensile Elongation @ Yield ²	D638	%	12
Deflection Temperature Under Load (66 psi Unannealed)	D648	°F	199
Vicat Softening Temperature	D1525	°F	306

Typical Value of Properties not to be construed as specifications

1 - @ 0.051 in/min

2 - @ 2 in/min.



**Genesis
Polymers**

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