

HP-120

Polypropylene Homopolymer

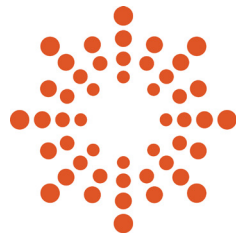
HP-120 is a Polypropylene certified prime grade designed for injection molding of general purpose applications. **HP-120** combines a good balance of medium-high flow processability with good tensile strength, high stiffness and good contact clarity. **HP-120** recommended processing temperature is between 210° to 230°C with mold at 20°-50°C. **HP-120** complies with FDA regulation 21CFR 177.1520 and with most international regulations concerning the use of Polypropylene in contact with food.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
PHYSICAL			
Melt Flow Rate (190 °C, 2.16kg)	D1238	g/10 min	12.0
Density	D1505	g/cm ³	0.905
Rockwall Hardness (R-Scale)	D785		90
MECHANICAL			
Flexural Modulus ¹ (1% Secant)	D790	psi	236k
Tensile Strength @ Yield ²	D638	psi	5080
Notched Izod Impact	D256	ft-lb/in	0.60
Tensile Elongation @ Yield ²	D638	%	10
Deflection Temperature Under Load (66 psi Unannealed)	D648	°F	207

Typical Value of Properties not to be construed as specifications

1 - @ 0.051 in/min

2 - @ 2 in/min.



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