

RP-120C

Polypropylene Random Copolymer

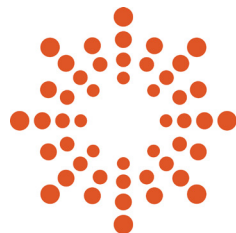
RP-120C is a clarified injection molding copolymer certified prime resin specially designed for thin-walled applications requiring good impact resistance and excellent clarity. **RP-120C** exhibits medium-high flow rate, very good dimensional stability and processability, rapid mold filling, fast cycle time, low warpage, and good balance of mechanical properties. **RP-120C** 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.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
PHYSICAL			
Melt Flow Rate (230°C, 2.16kg)	D1238	g/10 min	12
Density	D1505	g/cm ³	0.900
Rockwell Hardness (R-Scale)	D785		89
MECHANICAL			
Flexural Modulus ¹ (1% Secant)	D790	psi	170k
Tensile Strength @ Yield ²	D638	psi	4190
Notched Izod Impact (73°F)	D256	ft-lb/in	1.5
Tensile Elongation @ Yield ²	D638	%	9.0
HDT Under Load (66 psi Unannealed, Inj.)	D648	°F	189
Vicat Softening Temperature	D1525	°F	262

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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