



HYPRO® PP-RP 12/1.5C

Entec Polymers - Polypropylene Random Copolymer

Tuesday, November 5, 2019

General Information

Product Description

This product is intended for injection molding applications that require fast cycle time, enhanced processability and excellent clarity. This product offers improved impact and utilizes the latest generation clarifying additive technology.

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Clarifier
Features	• Good Impact Resistance • High Clarity • Good Processability • Random Copolymer
RoHS Compliance	• RoHS Compliant
Forms	• Pellets

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.016	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	4060	psi	ASTM D638
Tensile Elongation (Yield, 73°F)	11	%	ASTM D638
Flexural Modulus - 1% Secant ² (73°F)	155000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	2.8	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	165	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	360 to 420	°F
Middle Temperature	380 to 460	°F
Front Temperature	400 to 480	°F
Nozzle Temperature	380 to 460	°F
Processing (Melt) Temp	400 to 480	°F
Mold Temperature	70 to 120	°F
Injection Pressure	500 to 1500	psi

Notes

¹ Typical properties: these are not to be construed as specifications.

² 0.051 in/min