



HYPRO® PP-HP 12

Entec Polymers - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

This product is intended for general purpose injection molding applications such as caps & closures, resin furniture and consumer products.

General

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Food Contact Acceptable	• General Purpose	• Homopolymer
Uses	• Caps • Closures	• Consumer Applications • Furniture	• General Purpose
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties¹

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	0.014	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	4930	psi	ASTM D638
Tensile Elongation (Yield, 73°F)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant ² (73°F)	240000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	0.60	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	221	°F	ASTM D648

Notes

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

² 0.051 in/min