



HYPRO-G® PP-RP45C

Entec Polymers - Polypropylene Random Copolymer

Tuesday, November 5, 2019

General Information

Product Description

Random, Clarified Copolymer, High Melt Flow

This product meets the requirements of the US Food and Drug Administration as specified in 21 CFR 177.1520.

General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Clarifier		
Features	• High Clarity	• High Flow	• Random Copolymer
Agency Ratings	• FDA 21 CFR 177.1520		

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)	45	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3980	psi	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	164000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.74	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	203	°F	ASTM D648

Notes

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