



Friday, February 03, 2006

Hypro™ PPH20Entec Engineered Resins - *Polypropylene Homopolymer***General Information**

General	
Material Status	● Commercial: Active
Availability	● North America
Test Standards Available	● ASTM
Features	● Food Contact Acceptable ● Homopolymer
Agency Ratings	● FDA 21 CFR 177.1520 ¹
Forms	● Pellets

ASTM and ISO Properties ²

Physical	Nominal Value	Unit	Test Method
Density -Specific Gravity	0.900	sp gr 23/23°C	ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	20.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength @ Yield (73 °F)	4700	psi	ASTM D638
Tensile Elongation @ Yld (73 °F)	9.0	%	ASTM D638
Flexural Modulus (73 °F)	200000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73 °F, 0.125 in)	0.700	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Thermal	Nominal Value	Unit	Test Method
DTUL @66psi - Unannealed	219	°F	ASTM D648
Additional Properties			
Notched Izod Impact Strength, ASTM D256, 0.125 in, 73°F: 0.5 to 0.9 ft-lb/in			

Notes

- ¹ When used unmodified for the manufacture of food contact articles, Hypro™ PPH20 will comply with Food Additive Regulations FDA 21 CFR 177.1520 under the U.S. Food, Drug and Cosmetic Act. Such uses are subject to good manufacturing practices and any other limitations which are part of the statute or regulations. These should be consulted for complete details.
- ² Typical properties: these are not to be construed as specifications.

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