

POLYPROPYLENE



21N2A

DESCRIPTION: High crystalline homopolymer for thermoforming and sheeting applications.

FEATURES: Nucleated, excellent sidewall stiffness and heat resistance. Produced without animal derived components.

PROCESSING: Typical processing temperature range of 450 to 500°F (232-260°C).

APPLICATIONS: Portion cups, hot and cold beverage lids, food containers.

RESIN PROPERTIES	TYPICAL VALUE (SI)	TYPICAL VALUE (ENGLISH)	ASTM TEST METHOD
Melt Flow Rate	2.3 g/10 min		D 1238
Density	0.90 g/cm ³		D 1505
Melting Temperature Range	165-170 °C	329-338 °F	D 3418

MECHANICAL PROPERTIES			
Tensile Yield Strength Yield Elongation	40.3 MPa 4.6 %	5840 psi 4.6 %	D 638
Flexural Modulus Tangent	2345 MPa	340 kpsi	D 790
Deflection Temperature @ 66 psi (.455 MPa)	133 °C	271 °F	D 648
Rockwell Hardness		110 R	D 785
Notched Izod @ 23°C	21.5 J/m	0.4 ft-lb/in	D 256

March. 17

Regulatory

FDA – 21CFR 177.1520 (c) 1.1a.	USP <88> Class VI
Drug Master File listed	

Notice regarding medical applications:

This Flint Hills product meets certain requirements for use in medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that this Flint Hills product is safe, lawful and technically suitable for the intended use. Flint Hills encourages its customers to review their application with a Flint Hills technical representative to ensure that this product is not used in ways for which it was not intended. Flint Hills makes no warranties (express or implied), promises or guarantees concerning the suitability of this product for use in any given medical application.

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