

POLYPROPYLENE

P4C5N-046

DESCRIPTION: Homopolymer

FEATURES: Good processability, nucleated. Product does not contain animal derived components. Phthalate-free.

APPLICATIONS: Injection Molding: Contact lens molds and cases

PROPERTY	NOMINAL VALUE	SI UNIT	NOMINAL VALUE	ENGLISH UNIT	ASTM TEST METHOD
Melt Flow Rate	20	g/10 min.			D 1238
Density	0.90	g/cm ³			D 1505
Tensile Yield Strength	39	MPa	5600	psi	D 638
Yield Elongation	8	%	8	%	
Flexural Modulus 1% Secant	1590	MPa	230	kpsi	D 790
Tangent	NA		NA		
Deflection Temperature @ 66 psi (.455 MPa)	108	°C	226	°F	D 648
Rockwell Hardness			110	R	D 785
Notched Izod @ 23°C	30	J/m	.5	ft-lb/in	D 256
Gardner Impact @ 23°C	3	J	30	in-lb	D 5420

Mar-10



REGULATORY

FDA – 21 CFR 177.1520 (c) 1.1a.

USP Class VI certified

UL Certified 94 HB

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 or tested. Flint Hills makes no warranties (express or implied), promises or guarantees concerning the suitability of this product for use in any given medical application. Not intended for use in the manufacture of any form of implanted medical or surgical device.

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