

## POLYPROPYLENE

### P4C5N-046

**DESCRIPTION:** Homopolymer

**FEATURES:** Good processability, nucleated. Produced without animal derived components or Phthalates.

**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 <sup>3</sup>				D 1505
Tensile Yield Strength	39	MPa		5600	psi	D 638
Yield Elongation	8	%		8	%	
Flexural Modulus 1% Secant Tangent	1590 NA	MPa		230 NA	kpsi	D 790
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

May-14



#### **REGULATORY**

FDA – 21 CFR 177.1520 (c) 1.1a.

USP Class VI <88>, USP<85>, USP<661>, and ISO 10993-5

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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118 Huntsman Way, Longview, TX 75602 · Tel: 1-800-985-7303

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