

**P9R2Z-017**

**DESCRIPTION:** Polypropylene Specialty

**FEATURES:** Good puncture resistance. Does not contain animal derived components.

**APPLICATIONS:** Cast film and autoclavable

| PROPERTY                                      | NOMINAL VALUE | SI UNIT           | NOMINAL VALUE | ENGLISH UNIT | ASTM TEST METHOD |
|-----------------------------------------------|---------------|-------------------|---------------|--------------|------------------|
| Melt Flow Rate                                | 1.90          | g/10 min.         |               |              | D 1238           |
| Density                                       | 0.9           | g/cm <sup>3</sup> |               |              | D 1505           |
| Tensile<br>Yield Strength                     | 27            | MPa               | 3900          | psi          | D 638            |
| Yield Elongation                              | 13            | %                 | 13            | %            |                  |
| Flexural Modulus<br>1% Secant<br>Tangent      | 800<br>860    | MPa               | 116<br>125    | kpsi         | D 790            |
| Deflection Temperature @ 66<br>psi (.455 MPa) | 78            | °C                | 172           | °F           | D 648            |
| Rockwell Hardness                             |               |                   | 76            | R            | D 785            |
| Notched Izod @ 23°C                           | 130           | J/m               | 2.5           | ft-lb/in     | D 256            |
| Gardner Impact @ 23°C                         | 33            | J                 | 290           | in-lb        | D 5420           |

Sept-08



**REGULATORY**

FDA - 21 CFR 177.1520 (c) 3.1a (food type limited)  
 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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