

11M35V

Homopolymer for Injection Molding

Features: Produced without animal derived components or phthalates

Sterilization: EtO and autoclave

Applications: Labware, pipette tips, and medical components

Resin Properties

| | Typical Value (SI) | Typical Value (English) | ASTM Test Method |
|---------------------|------------------------|-------------------------|------------------|
| Melt Flow Rate | 35 g/10min | | D1238 |
| Density | 0.90 g/cm ³ | | D1505 |
| Melting Temperature | 160 -165 °C | 320 – 329 °F | D3418 |

Mechanical Properties

| | Typical Value (SI) | Typical Value (English) | ASTM Test Method |
|---|--------------------|-------------------------|------------------|
| Tensile Yield Strength | 33.3 MPa | 4830 psi | D 638 |
| Tensile Yield Elongation | 8.9 % | 8.9 % | D 638 |
| Flexural Modulus - Tangent | 1330 MPa | 193 kpsi | D 790 |
| Flexural Modulus - Secant | 1260 MPa | 183 kpsi | D 790 |
| Deflection Temperature @66psi (0.455 MPa) | 98 °C | 208 °F | D 648 |
| Rockwell Hardness | | 99 R | D 785 |
| Notched Izod @ 23°C | 19.8 J/m | 0.4 ft-lb/in | D 256 |
| Gardner Impact @ 23°C | 33.5 J | 297 in-lb | D 5420 |

Regulatory

FDA – 21 CFR 177.1520(c) 1.1a

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

Drug Master File listed

118 Huntsman Way, Longview, TX 75602 – (903) 239-5332

This document contains selected information about the product listed and is provided to you for informational purposes only. The data and information represented herein refer to typical values obtained in our laboratories by the methods or apparatuses indicated and should serve only as a guide. Processing variables and exact combination of materials are a major factor in product performance and since a customer's testing conditions may be different than those used by FHR the reproducibility of data is not guaranteed. Purchasers and users of the product may need to evaluate additional information beyond what is provided and are responsible for determining that the product is suitable for the intended use. Purchaser's and users should advise workers and the general public of any risks resulting from such use. **This FHR product meets certain requirements for use in MEDICAL APPLICATIONS. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that this FHR product is safe, lawful, and technically suitable for the intended use. FHR encourages its customers to review their application with an FHR technical representative to ensure that this product is not used in medical applications for which it was not intended. This product is not intended for use in the manufacture of any form of implanted medical or surgical device.** This document and its contents may not be reproduced, distributed, or disclosed by you to any third party for any purpose. It relates only to the identified product and is based on information available as of the date hereof. FHR does not have any obligation to notify you if the above information should change after the date hereof. THIS DOCUMENT DOES NOT CONTAIN A COMPLETE STATEMENT OF, AND DOES NOT CONSTITUTE A REPRESENTATION, WARRANTY OR GUARANTY WITH REGARD TO, A PRODUCT'S CHARACTERISTICS, USES (including medical applications), PATENTS (existent or non-existent) SUITABILITY, SAFETY, EFFICACY, HAZARDS OR HEALTH EFFECTS. Nothing contained in this document shall be construed to modify any of the commercial terms pursuant to which the product was or may be sold by FHR including, but not limited to, terms and conditions addressing each party's respective rights and obligations with regard to warranties, remedies and indemnification.