

H17U-00

POLYPROPYLENE HOMOPOLYMER

TECHNICAL DATASHEET

Product Description

H17U-00 is a polypropylene homopolymer designed for carpet fiber applications. Other typical applications include BCF, POY, and staple fibers that require UV stability. This resin meets the requirements of the U.S. Food and Drug Administration specified in 21 CFR 177.1520.¹

Typical Properties²

| Property | English Units | SI Units | ASTM Method |
|---------------------------------------|---------------|-----------------------|-------------|
| Resin Properties | | | |
| Density | | 0.909 g/cc | D792 |
| Melt Flow Rate (230°C/2.16 kg) | | 17 g/10 min | D1238 |
| Injection Molded Specimen Test | | | |
| Tensile Strength @ Yield | 5,450 psi | 37.3 MPa | D638 |
| Elongation @ Yield | 8.6 % | 8.6 % | D638 |
| Flexural Modulus, 1% Secant | 258,000 psi | 1,780 MPa | D790A |
| Notched Izod Impact Strength @ 23°C | 0.6 ft-lb/in | 3.0 kJ/m ² | D256 |
| Hardness, Rockwell R | 106 | 106 | D785 |
| HDT @ 66 psi (455 kPa) | 222 °F | 106 °C | D648 |

¹Consult the Regulatory Position Statement for specific use conditions and limitations.

²Typical property values will vary and are not to be used as specification limits.