

H03W-02

POLYPROPYLENE HOMOPOLYMER

**TECHNICAL
DATASHEET**

Product Description

H03W-02 is a general purpose polypropylene homopolymer with a low water carryover additive package. It is designed for extrusion applications including carpet backing, fiber and tape, rope and cordage, fiber bags, and twine. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.¹

Typical Properties²

Property	English Units	SI Units	ASTM Method
Resin Properties			
Density		0.908 g/cc	D792
Melt Flow Rate (230°C/2.16 kg)		3.0 g/10 min	D1238
Injection Molded Specimen Test			
Tensile Strength (2 in/min) @ Yield	5,000 psi	35 MPa	D638
Elongation (2 in/min) @ Yield	11 %	11 %	D638
Notched Izod Impact Strength @ 23°C	0.9 ft-lb _f /in	4.7 kJ/m ²	D256
Hardness, Rockwell R	98	98	D785
HDT @ 66 psi (455 kPa)	217 °F	103 °C	D648
Gloss Units, 60° Angle	94	94	D2457

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.