

Marlex[®] HGX-030-01

Polypropylene Homopolymer, Fiber Grade, Low Water Carryover

Applications:

- Woven industrial fabric and bags
- Rope and cordage
- Woven carpet backing
- Woven geotextile fabrics

Agency Information:

- Meets FDA Regulation 21 CFR 177.1520 and is suitable for food packaging applications.

Nominal Properties

Property	English	SI	Method
Density	0.905 g/cc	0.905 g/cc	ASTM D1505
Melt Flow Rate, @ 230°C	3.8 g/10min	3.8 g/10min	ASTM D1238
Tensile Strength at Yield, 50 mm/min	5,350 psi	36.9 MPa	ASTM D638
Flexural Modulus, Secant, 1.3 mm/min	230,000 psi	1,590 MPa	ASTM D790
Notched Izod Impact Strength, @ 23°C	0.7 ft*lb/in	37 J/m	ASTM D256
Heat Deflection Temperature, @ 0.455 MPa	214 °F	101 °C	ASTM D648
Rockwell Hardness, R Scale	97	97	ASTM D785
Shore D Hardness	71	71	ASTM D2240

Mechanical properties were determined using injection-molded specimens 1/8" (3.2mm) thick molded per ASTM D4101, unless otherwise noted.

The nominal properties reported herein are typical of the product but do not reflect normal testing variance and therefore should not be used for specification purposes.

