

Marlex[®] HMV-035

Polypropylene Homopolymer, Fiber Grade, UV Stabilized

Applications:

- Woven industrial fabric and bags
- Chair webbing
- Rope and cordage
- Woven geotextile fabrics
- Outdoor carpet

Agency Information:

- Meets FDA Regulation 21 CFR 177.1520 and is suitable for food packaging applications not to exceed 212 F (100 C).

ASTM Nominal Properties

Property	English	SI	Method
Density	0.905 g/cc	0.905 g/cc	ASTM D1505
Melt Flow Rate, @ 230°C	3.5 g/10min	3.5 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

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. Mechanical properties were determined using a 1/8" thick injection-molded specimen molded per ASTM D4101, unless otherwise noted.

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