

For more information and technical assistance contact:

Phillips Sumika Polypropylene Company
P.O. Box 4910
The Woodlands, TX 77387-4910
800.231.1212 ext 4849



Marlex[®] HGZ-200

Polypropylene Homopolymer, General Purpose, Controlled Rheology

Applications:

- Closures
- Thin-wall containers

Agency Information:

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

Nominal Properties

Property	English	SI	Method
Density	0.904 g/cc	0.904 g/cc	ASTM D1505
Melt Flow Rate, @ 230°C	20 g/10min	20 g/10min	ASTM D1238
Tensile Strength at Yield, 50 mm/min	5,100 psi	35.2 MPa	ASTM D638
Flexural Modulus, Secant, 1.3 mm/min	210,000 psi	1,450 MPa	ASTM D790
Notched Izod Impact Strength, @ 23°C	0.4 ft*lb/in	21 J/m	ASTM D256
Heat Deflection Temperature, @ 0.455 MPa	205 °F	96 °C	ASTM D648
Rockwell Hardness, R Scale	95	95	ASTM D785
Shore D Hardness	70	70	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.

MSDS #240590

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Polypropylene Company

Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Phillips Sumika Polypropylene Company does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.