

Marlex[®] HGZ-120SP

Polypropylene Homopolymer, General purpose

Typical raffia, fiber/yarn, injection moulding applications include:

- General purpose injection moulding
- Multifilament fiber
- Good resistance to gas fading

This resin meets these specifications:

- FDA 21 CFR 177.1520(c)1.1. May be used in contact with all types of foods at conditions of use A through H per 21 CFR 176.170(c).
- All constituents of this resin are listed in Commission Regulation (EU) No 10/2011. Meets the requirements of Commission Regulation (EU) No 10/2011, Regulation (EC) No. 1935/2004, and Commission Regulation (EC) No 2023/2006..

For a Material Safety Data Sheet (MSDS), visit our site at

www.saudipolymers.com

Nominal Resin Properties ^(1,2)	Value (SI Units)	Method
Density	0.904 g/cm ³	ASTM D1505
Melt Flow Rate , Condition 230°C/2.16 kg	12 g/10 min	ASTM D1238
Tensile Strength at Yield , 50.8 mm/min	36 MPa	ASTM D638
Flexural Modulus, Secant , 1.3 mm/min	1550 MPa	ASTM D790
Notched Izod Impact , @23°C	30 J/m	ASTM D256
Durometer Hardness , Type D (Shore D)	71	ASTM D2240
Heat Deflection Temperature , @ 0.46 MPa	100°C	ASTM D648

1. 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. Values are rounded.
2. Mechanical properties were determined using injection-moulded specimens 3.2 mm thick, moulded per ASTM D4101, unless otherwise noted.

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