

Marlex[®] RMN-020

Clarified Polypropylene Random Copolymer for Injection Blow Molding

Applications:

- Injection Blow Molded Food containers, Toiletry bottles, Cosmetic bottles

Agency Information:

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

Nominal Properties

Property	English	SI	Method
Density	0.902 g/cc	0.902 g/cc	ASTM D1505
Melt Flow Rate, @ 230°C	2 g/10min	2 g/10min	ASTM D1238
Tensile Strength at Yield, 50 mm/min	4,750 psi	32.7 MPa	ASTM D638
Flexural Modulus, Secant, 1.3 mm/min	180,000 psi	1,240 MPa	ASTM D790
Notched Izod Impact Strength, @ 23°C	5.7 ft*lb/in	304 J/m	ASTM D256
Heat Deflection Temperature, @ 0.455 MPa	200 °F	93 °C	ASTM D648
Rockwell Hardness, R Scale	89	89	ASTM D785
Shore D Hardness	69	69	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.

