

Marlex[®] RGC-020-04

Polypropylene Random Copolymer, Clarified

Applications:

- Syrup Bottles
- Cosmetic bottles
- Large Juice Bottles
- Toiletry Bottles

Agency Information:

- Meets FDA regulations 21 CFR 177.1520 (c)3.1a and (c)3.2a, and may safely be used for articles used in packing or holding food during cooking.

Nominal Properties

Property	English	SI	Method
Density	0.900 g/cc	0.900 g/cc	ASTM D1505
Melt Flow Rate, @ 230°C	2.2 g/10min	2.2 g/10min	ASTM D1238
Tensile Strength at Yield, 50 mm/min	4350 psi	30 MPa	ASTM D638
Flexural Modulus, Secant, 1.3 mm/min	150,000 psi	1,030 MPa	ASTM D790
Notched Izod Impact Strength, @ 23°C	6.6 ft*lb/in	352 J/m	ASTM D256
Heat Deflection Temperature, @ 0.455 MPa	190 °F	88 °C	ASTM D648
Rockwell Hardness, R Scale	83	83	ASTM D785
Shore D Hardness	67	67	ASTM D2240
Clarity, 0.075 inch thickness	99 %	99 %	ASTM D1003
Haze, 0.075 inch thickness	8 %	8 %	ASTM D1003

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.

