

## Marlex® AGN-120

*Polypropylene Impact Copolymer, Cold Temperature Impact Resistant, Nucleated*

Nominal Physical Properties <sup>(1)</sup>	ASTM Test Method	Traditional Units	SI Units
Density <sup>(2)</sup>	D1505	0.90 g/cc	900 Kg/m <sup>3</sup>
Melt Flow <i>Condition 230°C / 2.16Kg</i>	D1238	12 g/10 min	12 g/10 min
Tensile Yield Strength <sup>(2)</sup> <i>Type 1 Specimen, Rate 2"/min</i>	D638	3,200 psi	22 Mpa
Flexural Modulus, <sup>(2)</sup> <i>Rate 0.5"/min, Tangent Method</i>	D790	160,000 psi	1,100 MPa
Notched Izod Impact Strength <sup>(2)</sup> <i>at 73°F (23°C)</i> <i>at 32°F (0°C)</i> <i>at -22°F (-30°C)</i>	D256	No Break 2.0 ft•lbf/in 0.9 ft•lbf/in	No Break 110 J/m 50 J/m
Heat Deflection Temperature <sup>(2)</sup> <i>66 psi (0.455 MPa)</i> <i>264 psi (1.82 Mpa)</i>	D648	180 °F 115 °F	82 °C 45 °C
Rockwell Hardness, R Scale <sup>(2)</sup>	D785	80	80
Falling Dart <sup>(2)</sup> , 0.5" tup, 150"/sec <i>Total Energy at -22°F (-30°C)</i>	D3763	250 in•lb	27 J

**Agency Information:** Meets FDA Regulation 21 CFR 177.1520 and may be safely used as articles for use in contact with food except for articles used for packing or holding food during cooking. UL yellow card RTI of 65°C and a flame rating of UL94HB. These apply to natural color at a minimum thickness of 0.058"

**Suggested Applications:** Toys, Fender Liners, Consumer Products

- (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.  
 (2) Tests performed using injection-molded specimens.

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