

## Marlex® AGN-380

### Polypropylene Impact Copolymer, 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 Condition 230°C / 2.16Kg	D1238	38 g/10 min	38 g/10 min
Tensile Yield Strength <sup>(2)</sup> Type 1 Bar, Rate: 2"/min (50mm/min)	D638	3,500 psi	24 MPa
Flexural Modulus, Tangent <sup>(2)</sup> Rate 0.5"/min (13mm/min)	D790	180,000 psi	1,250 MPa
Notched Izod Impact Strength <sup>(2)</sup> at 73°F (23°C) at 32°F (0°C) at -22°F (-30°C)	D256	2.0 ft•lbf/in 1.1 ft•lbf/in 0.9 ft•lbf/in	107 J/m 60 J/m 48 J/m
Heat Deflection Temperature <sup>(2)</sup> 66 psi (0.455 MPa) 264 psi (1.82 Mpa)	D648	205 °F 120 °F	96 °C 50 °C
Rockwell Hardness, R Scale <sup>(2)</sup>	D785	86	86
Falling Dart <sup>(1)</sup> , 0.5" tup, 150"/sec Total Energy at -22°F (-30°C)	D3763	100 in•lb	11 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.

**Suggested Applications:** Automotive Interior Trim, Durables, Housewares

- (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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