

Marlex® AHN-380

Polypropylene Impact Copolymer, Nucleated, Heat Stabilized

Nominal Physical Properties ⁽²⁾	ASTM Test Method	Traditional Units	SI Units
Density ⁽¹⁾	D1505	0.90 g/cc	900 Kg/m ³
Melt Flow <i>Condition 230°C / 2.16Kg</i>	D1238	38 g/10 min	38 g/10 min
Tensile Yield Strength ⁽¹⁾ <i>Type 1 Bar, Rate: 2"/min (50mm/min)</i>	D638	3,500 psi	24 MPa
Flexural Modulus, Tangent ⁽¹⁾ <i>Rate 0.5"/min (13mm/min)</i>	D790	180,000 psi	1,250 MPa
Notched Izod Impact Strength ⁽¹⁾ <i>at 73°F (23°C)</i> <i>at 32°F (0°C)</i> <i>at -22°F (-30°C)</i>	D256	1.8 ft•lbf/in 0.9 ft•lbf/in 0.5 ft•lbf/in	95 J/m 50 J/m 25 J/m
Heat Deflection Temperature ⁽¹⁾ <i>66 psi (0.45 MPa)</i> <i>264 psi (1.80 Mpa)</i>	D648	205 °F 120 °F	96 °C 50 °C
Rockwell Hardness, R Scale ⁽¹⁾	D785	86	86
Falling Dart Impact, 0.5" Tup, 150"/sec <i>Total Energy at -22°F (-30°C)</i>	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.

Notes:

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

January 2003



For more information and technical assistance contact:
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