

Marlex® AHN-030

Polypropylene Impact Copolymer, Heat Stabilized, Nucleated

Nominal Physical Properties ⁽¹⁾	ASTM Test Method	Traditional Units	SI Units
Density ⁽²⁾	D1505	0.90 g/cc	900 Kg/m ³
Melt Flow <i>Condition 230°C / 2.16Kg</i>	D1238	3 g/10 min	3 g/10 min
Tensile Properties, Type 1 Bar, 2"/min <i>Yield Strength ⁽¹⁾</i> <i>Elongation at Break⁽¹⁾</i>	D638	4,350 psi >500%	30 Mpa >500%
Flexural Modulus, ⁽²⁾ <i>Rate 0.5"/min Tangent Method</i>	D790	216,000 psi	1,490 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	5.6 ft•lbf/in 1.5 ft•lbf/in 0.9 ft•lbf/in	300 J/m 80 J/m 50 J/m
Heat Deflection Temperature ⁽²⁾ <i>66 psi (0.455 MPa)</i> <i>264 psi (1.82 Mpa)</i>	D648	212 °F 140 °F	100 °C 60 °C
Rockwell Hardness, R Scale ⁽¹⁾	D785	95	95
Falling Dart ⁽²⁾ , 0.5" tup, 150"/sec <i>Total Energy at -22°F (-30°C)</i>	D3763	225 in•lb	25 J

Agency Information: Meets FDA Regulation 21 CFR 177.1520 and may be safely used as articles for use in contact with food including articles used for packing or holding food during cooking. UL yellow card RTI of 65°C and a flame rating of UL 94HB, these apply to natural color at a minimum thickness of 0.058"

- (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) 1/8" thick injection-molded specimen.

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For more information and technical assistance contact:
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