

Marlex® AGN-150

Polypropylene Impact Copolymer, Nucleated

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	15 g/10 min	15 g/10 min
Tensile Yield Strength ⁽¹⁾ <i>Type 1 Bar, Rate: 2"/min (50mm/min)</i>	D638	4,150 psi	28.6 MPa
Flexural Modulus, Tangent ⁽¹⁾ <i>Rate 0.5"/min (13mm/min)</i>	D790	210,000 psi	1450 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	1.6 ft•lbf/in	85 J/m
		0.9 ft•lbf/in	48 J/m
		0.34 ft•lbf/in	18 J/m
Heat Deflection Temperature ⁽¹⁾ <i>66 psi (0.45 MPa)</i> <i>264 psi (1.80 Mpa)</i>	D648	219 °F	103 °C
		131 °F	55 °C
Falling Dart ⁽¹⁾ , 0.5" tup, 150"/sec <i>Total Energy at 73°F (30°C)</i> <i>Total Energy at 32°F (0°C)</i> <i>Total Energy at -22°F (-30°C)</i>	D3763	198 in•lbs	33 J
		57 in•lbs	6 J
		24 in•lbs	3 J

Suggested Applications:

- Consumer Products, Totes, Bins

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.

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