

Marlex® AGX-380

Polypropylene Impact Copolymer, General Purpose

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	38 g/10 min	38 g/10 min
Tensile Yield Strength ⁽²⁾ <i>Type 1 Specimen, Rate: 2"/min</i>	D638	3,200 psi	22 MPa
Flexural Modulus, ⁽²⁾ <i>Rate 0.5"/min Tangent Method</i>	D790	160,000 psi	1,100 MPa
Notched Izod Impact Strength ⁽²⁾ <i>at 73°F (23°C)</i> <i>at 32°F (0°C)</i> <i>at -22°F (-30°C)</i>	D256	2.0 ft•lbf/in 0.8 ft•lbf/in 0.6 ft•lbf/in	106 J/m 45 J/m 30 J/m
Heat Deflection Temperature ⁽²⁾ <i>66 psi (0.455 MPa)</i> <i>264 psi (1.82 Mpa)</i>	D648	165 °F 115 °F	74 °C 47 °C
Rockwell Hardness, R Scale ⁽²⁾	D785	83	83
Falling Dart ⁽²⁾ , 0.5" tup, 150"/sec <i>Total Energy at -22°F (-30°C)</i>	D3763	150 in•lb	16 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: Durables, Medical Ware, Housewares, 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) 1/8" thick injection-molded specimen.

January 2002



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