

## Marlex® AGX-230

### Polypropylene Impact Copolymer

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 <i>Condition 230°C / 2.16Kg</i>	D1238	20 g/10 min	20 g/10 min
Tensile Yield Strength <sup>(2)</sup> <i>Type 1 Bar, Rate: 2"/min</i>	D638	3,300 psi	23 Mpa
Flexural Modulus, <sup>(2)</sup> <i>Rate 0.5"/min Tangent Method</i>	D790	160,000 psi	1,100 MPa
Notched Izod Impact Strength <sup>(2)</sup> <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 1.0 ft•lbf/in 0.7 ft•lbf/in	110 J/m 55 J/m 35 J/m
Heat Deflection Temperature <sup>(2)</sup> <i>66 psi (0.455 MPa)</i> <i>264 psi (1.82 Mpa)</i>	D648	175 °F 125 °F	80 °C 50 °C
Rockwell Hardness, R Scale <sup>(2)</sup>	D785	85	85
Falling Dart <sup>(2)</sup> , 0.5" tup, 150"/sec <i>Total Energy at -22°F (-30°C)</i>	D3763	250 in•lb	27 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, 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.

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