

## Marlex® ALN-070 (BP04A)

*Polypropylene Impact Copolymer, Exceptional Dimensional Stability, Lubricant*

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	7 g/10 min	7 g/10 min
Tensile Yield Strength <sup>(2)</sup> <i>Type 1 Specimen, Rate 2"/min</i>	D638	3,700 psi	26 Mpa
Flexural Modulus, <sup>(2)</sup> <i>Rate 0.5"/min, Tangent Method</i>	D790	200,000 psi	1,375 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	No Break 2.6 ft•lb <sub>f</sub> /in 1.0 ft•lb <sub>f</sub> /in	No Break 140 J/m 53 J/m
Heat Deflection Temperature <sup>(2)</sup> <i>66 psi (0.455 MPa)</i> <i>264 psi (1.82 Mpa)</i>	D648	214 °F 128 °F	101 °C 53 °C
Rockwell Hardness, R Scale <sup>(2)</sup>	D785	93	93
Falling Dart <sup>(2)</sup> , 0.5" tup, 150"/sec <i>Total Energy at -22°F (-30°C)</i>	D3763	225 in•lb	25 J

**Suggested Applications:** Pallets, Bins, Bulk Containers, Returnable Packaging

- (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) Tests performed using injection-molded specimens.

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