

## Mocom (ALBIS) ALTECH® PA66 ECO 4015/110 MR15 IM Nylon 66, 15% Mineral Reinforced

Categories: [Polymer](#); [Thermoplastic](#); [Nylon \(Polyamide PA\)](#); [Nylon 66 \(PA66\)](#); [Nylon 66, 20% Mineral Filled](#)

Material Notes: Base Polymer: Polyamide 66

Filler/Additive System: 15% mineral

Special Features: Heat ageing stabilization, impact modified, injection molding grade

Market Segment: Automotive, various

Typical Applications: Injection molded parts, functional components, various

Information provided by Albis Plastics

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	<a href="#">1.22</a> g/cc	<a href="#">0.0441</a> lb/in <sup>3</sup>	ISO 1183
Maximum Moisture Content	0.15	0.15	
Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<a href="#">70.0</a> MPa	<a href="#">10200</a> psi	ISO 527
Elongation at Break	16.8 %	16.8 %	ISO 527
Tensile Modulus	<a href="#">3.40</a> GPa	<a href="#">493</a> ksi	ISO 527
Flexural Strength	<a href="#">105</a> MPa	<a href="#">15200</a> psi	ISO 178
Flexural Modulus	<a href="#">3.30</a> GPa	<a href="#">479</a> ksi	ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	<a href="#">0.800</a> J/cm <sup>2</sup>	<a href="#">3.81</a> ft-lb/in <sup>2</sup>	ISO 179/1eA
Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	<a href="#">75.0</a> °C	<a href="#">167</a> °F	ISO 75-1/-2
Processing Properties	Metric	English	Comments
Melt Temperature	<a href="#">280 - 300</a> °C	<a href="#">536 - 572</a> °F	Injection molding
Mold Temperature	<a href="#">80.0 - 100</a> °C	<a href="#">176 - 212</a> °F	Injection molding
Drying Temperature	<a href="#">80.0</a> °C	<a href="#">176</a> °F	in a dry air (desiccant) dryer
	@Time 7200 - 43200 sec	@Time 2.00 - 12.0 hour	

### Descriptive Properties

Base Polymer Polyamide 66

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.