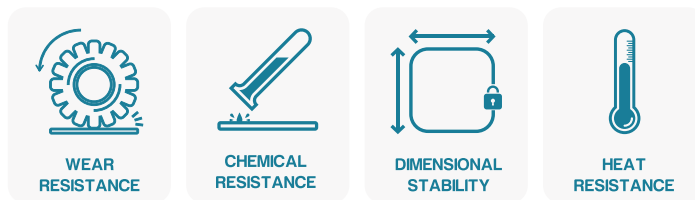


PA AMIDELUX®

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Amidelux Polyamide PA is a high performance Polyamide polymer that is unique among the wide variety of Nylon (PA) materials on the market. Amidelux is extruded as a clear, thin sheet that can be thermoformed into finished parts. Amidelux provides the advantages of semi-crystalline product to applications that require clarity. Amidelux provides better clarity, scratch resistance, and chemical resistance than Polycarbonate.



The following physical property information is based on typical values of the base resins.

Property	Units	Test Standard	Amidelux Polyamide	Zelux Polycarbonate	Acrylic	Thermalux Polysulfone	Thermalux Polyphenylsulfone
Mechanical							
Color	—	—	Clear	Clear	Clear	Amber	Amber
Structure	—	—	Semi-Crystalline	Amorphous	Amorphous	Amorphous	Amorphous
Density	kg/m ³	—	1020	1190	1190	1240	1290
Tensile Strength	MPA	MPA	60	62	78	70	70
Tensile Modulus	MPA	MPA	1400	—	3200	2500	2300
Tensile Elongation at Break	%	—	50	130	5	100	100
Flexural Modulus	MPA	MPA	1700	2300	3500	2700	2400
Flexural Strength	MPA	MPA	90	95	110	105	90
Thermal							
Glass Transition Temperature	°C	—	140	145	—	—	217
Other							
U. Charpy Impact							
@23°C	kJ/m ²	—	NB	NB	—	—	—
@-30°C	kJ/m ²	—	NB	NB	—	—	—

Applications Include:

- Eye guards
- Face shields
- Sight glasses
- Viewing lenses

Manufacturing Capabilities:



Colors:

Clear

In addition to our standard capabilities, Westlake also has the ability to process custom resins in various sizes and colors with some exceptions.

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