



P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Ardel™

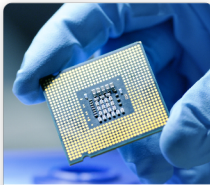


Ardel PAR polyarylate is a transparent, light-amber colored polymer that exhibits good toughness, superior optical and mechanical properties, exceptional UV stability, and excellent flexural fatigue resistance. Ardel PAR is specifically formulated to endure the damaging effects of UV light. Ardel PAR is recommended for semiconductor components, solar energy components, appliance parts, and snap lock connectors.

INDUSTRY



Engineering



Semiconductor and ESD

COLORS AVAILABLE



Natural

ATTRIBUTES

Transparent

UV Resistance

Dielectric Properties

Heat Resistant

SHAPES

Extruded Slab

Extruded Sheet

Extruded Film



P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Ardel™

TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Flexural modulus	D790	304 kpsi	2100 MPa
Flexural Strength - 5%	D790	12 kpsi	84 MPa
Izod Impact Resistance - Notched	D256	4.22 ft-lb/in	225 J/m
Tensile Elongation @ Break	D638	60 %	60 %
Tensile Strength @ Break	D638	10 kpsi	69 MPa
Thermal			
HDT @ 264 psi	D648	347 °F	175 °C
Physical			
Moisture Absorption	D570	0.26 %	0.26 %
Specific Gravity	D792	1.21	1.21

*Data above is based on testing of injection molded test specimens



P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Ardel™

PRODUCT SHAPES & DIMENSIONS

Extruded Slabs: 24"W (61cm)

0.75" (19.05mm) 1" (25.4mm) 1.25" (31.75mm)

Extruded Sheets: 48"W x 96"L (122cm x 244cm)

0.03" (0.76mm) 0.035" (0.89mm) 0.06" (1.52mm) 0.062" (1.57mm) 0.08" (2.03mm) 0.09" (2.29mm)
0.095" (2.41mm) 0.125" (3.18mm) 0.1875" (4.76mm) 0.25" (6.35mm)

Extruded Films: 26"W (66cm)

0.002" (0.05mm) 0.003" (0.08mm) 0.004" (0.1mm) 0.005" (0.13mm) 0.010" (0.25mm) 0.020" (0.51mm)

LAST REVISED: 01/30/2025

This information is offered solely for your consideration, examination and verification, and is to be construed neither as a warranty nor guarantee that the same results as those stated herein will be obtained by the use to which others may put the material. Each user of the material should make his own tests to determine the characteristics and suitability of the material for his own particular use and the use which will be made of the completed product. This publication is not to be taken as a license to operate under, or a recommendation to infringe any patents. The observance of all legal regulations and patents is the responsibility of the user. The buyer's exclusive remedy against the seller shall be for the repair or replacement of defective stock. No other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or other incidental or consequential loss) shall be available to the buyer.

EXCLUSION OF WARRANTIES: THERE ARE NO WARRANTIES AS TO THE MATERIAL DESCRIBED HEREIN, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. ANY VALUES STATED IN SELLER'S LITERATURE ARE TYPICAL PROPERTIES ONLY.