

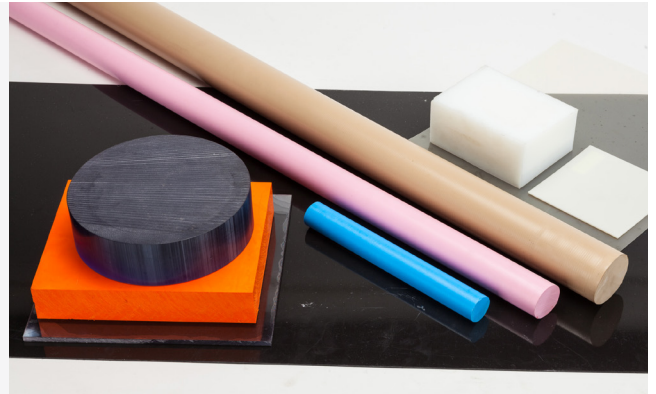
Market Focus Industrial

This Market Focus provides an overview of Westlake products that serve into the Industrial market.



INDUSTRIAL MARKET OVERVIEW

Westlake Plastics has long been an innovator and leading producer of semi finished thermoplastic products for industrial markets. Our knowledge of thermoplastic materials and the performance-characteristics needed to meet an applications requirements has made us a reliable development partner to leading OEMs. We support customers through the entire development process, from design and material selection through prototyping and manufacturing scale up to commercialization.



KEY ATTRIBUTES

We understand selecting a polymer can be challenging. We have categorized our standard products by attributes to enable an easy match between a specific products capabilities and your application's needs. Critical requirements for typical life science applications include;



BIOCOMPATIBILITY



CHEMICAL
RESISTANCE



DIMENSIONAL
STABILITY



HEAT
RESISTANCE

COMMON APPLICATIONS

SEMICONDUCTOR

- Wet Bench
- Wafer Clamp Rings
- Vacuum Chambers
- Window Ports
- CMP Applications

FOOD HANDLING

- Roller Guides
- Timing Screws
- Clip On Rails
- Starwheels

AEROSPACE & DEFENSE

- Avionics Instrument Panels
- Windows & Canopies
- Radio Radome Covers
- Fasteners

CHEMICAL PROCESSING

- Chemical Tanks & Tank Liners
- Ventilation Components
- Corrosion-Resistant Components
- Coating Systems
- Valve Housings

ELECTRONICS

- Electrically Insulating Parts
- Static Sensitive Applications
- Transducers
- Radomes

OUR EXPERTISE & COMMITMENT

As an early leader of the movement to incorporate thermoplastics into Life Science applications, Westlake Plastics has an extensive line of products made with USP Class VI and ISO 10993 compliant resin. Many of our semi-finished shaped products have been tested to USP VI and ISO 10993 standards. If you're considering one of our products for use in a life science application and compliance to USP VI or ISO 10993 standards is required, please contact Westlake Plastics for specific regulatory declarations.

Our advanced manufacturing technologies allow the conversion of a wide range of thermoplastics into semi-finished shapes and film. All products for the life science market are made with 100% virgin resin (no regrind used), are lot controlled and lot traceable and are subject to change control and change notification policies.

An ISO 9001 and ISO 13485 registered company, Westlake Plastics values customer feedback. Our commitment to quality and continuous improvement coupled with our focus on customer satisfaction positions us for success with integrity.

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POLYMER	PRODUCT FAMILY	SHAPES	KEY ATTRIBUTES	STANDARDS
ABS	ABSYLUX®	SL, TS, EF, ER	Impact Resistance Stiffness Dimensional Stability	FDA
ACETAL	POMALUX®	SL, TS, ER	Wear Resistance & Low COF's Strength Chemical Resistance	FDA
PA	AMIDELUX	TS	Transparency Chemical Resistance Impact Resistance	
PEEK	AROLUX	TS, EF	High Heat Resistance High Chemical Resistance High Strength High Stiffness	
PEKK	AROLUX	TS	High Heat Resistance High Chemical Resistance High Strength High Stiffness	
PPS	AROLUX	ER	High Heat Resistance High Chemical Resistance High Strength High Stiffness	
PC	ZELUX® W, M	SL, TS, ER	Transparent Stiffness Impact Resistance	FDA, UL
PAR	ARDEL	SL, TS, EF	Transparent UV Resistance Heat Resistant	
PEI	TEMPALUX	SL, TS, EF, ER	Heat Resistance High Strength High Stiffness Chemical Resistance	FDA
PESU	THERMALUX	SL, EF, ER	Heat Resistance High Strength High Stiffness Chemical Resistance	
PSU	THERMALUX	SL, TS, EF, ER	Heat Resistance High Strength High Stiffness Chemical Resistance	FDA
PPSU	THERMALUX	SL, TS, EF, ER	Impact Resistance High Chemical Resistance High Heat Resistance	FDA
PP	PROPYLUX	SL, ER	Impact Resistance Chemical Resistance Low Moisture Absorption	FDA
PPO/PPE	NORYLUX	SL, TS, EF, ER	Low Moisture Absorption Dimensional Stability High Dielectric Strength	
PVDF	KYNAR	SL, TS, EF, ER	Chemical Resistance Heat Resistance Flammability Resistance	FDA, FM 4910
PMP	TPX	SL, EF, ER	Dielectric Properties Low Water Absorption High Gas Permeability	

SHAPE KEY SL = SLAB SHEET TS = THIN SHEET EF = EXTRUDED FILMS ER = EXTRUDED RODS

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Disclaimer* SMITHERS Quality Assessment certifications ISO 9001:2015 And ISO 13485:2016 apply to Westlake Plastics NA operations. BSI Quality Management certifications ISO 9001 and ISO 13485 apply to Westlake Plastics EU operations.

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