

## The Company

**Westlake Plastics Company** is the world leader in extrusion and compression molding technologies of high performance thermoplastics. Our advanced technologies allow us to convert the full range of thermoplastic resins into stock shapes and film.

New product development is the hallmark of Westlake Plastics. Our six business groups (Chemical Resistance, Engineering, Film, High Performance, Medical and Static Control) work in close conjunction with resin suppliers and end users to develop new products that meet the critical needs of customer applications as well as industry specific standards.

Our field and in-house technical experts provide you with excellent resources for product applications and recommendations. Our industry focused expertise include:

Analytical Instrumentation	Automotive	Aviation and Aerospace
Chemical Processing	Computer	Electrical/Electronics
Food Handling	Medical	Nuclear Energy
Pharmaceutical	Semiconductor	Telecommunications

In addition to our knowledge on specific industries, Westlake also offers over 40 years of manufacturing experience. With both compression molding and extrusion technologies, we are able to offer small runs of customized products with short turn around times as well as generous samples.

If its product or application knowledge you seek, Westlake is ready to respond to your challenges.

### Extrusion Manufacturing Capabilities

#### Sizes:

- Rod sizes: 1/8 - 15 diameter
- Thin sheet: .030 - .187 thick, up to 48 wide
- Slab: 1/4 - 6 thick, up to 24 wide (certain thicknesses up to 40 wide)
- Tubular bar: 1/2 wall and heavier, up to 22 outer diameter

#### Capabilities:

- All products annealed for relieving residual stress
- Process concentrates on surface quality and lack of voids vs. output rate
- Ultrasonic testing for voids (disking and facing of actual production run material)

### Compression Molding Manufacturing Capabilities

#### Sizes:

- Thicknesses:
  - Range: 1/8 - 6
  - Tolerance: -10%
- Widths x Lengths:
  - 30 x 60    - 2 x 4    - 4 x 8
  - 4 x 10    - 5 x 10    - 6 x 12

#### Capabilities:

- Centerline porosity free sheets
- Various finishes: press polished, haircell, cutting board, other custom textures available
- Optically clear sheet (Zelux W) up to 2 thick
- Ultrasonic testing for voids
- Small sheet quantity minimums

### Film Manufacturing Capabilities

#### Sizes:

- Thicknesses:
  - Range: .001 - .029
  - Tolerance: -10%
- Widths:
  - Up to 27 wide (.001 - .010)
  - Up to 26 wide (.011 - .029)

#### Core Sizes:

- 3 ID    6 ID    10 ID

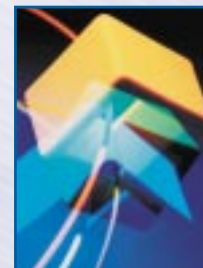
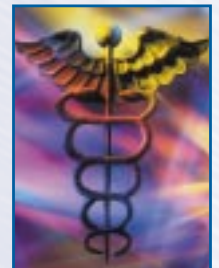
#### Finishes:

- |                |               |
|----------------|---------------|
| Polish/Matte   | (.001 - .029) |
| Polish/Polish  | (.001 - .005) |
| Haircell/Matte | (.010 - .029) |
| Matte/Matte    | (.010 - .029) |

**WESTLAKE  
PLASTICS COMPANY**

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# Westlake List of Products

Commonly Referred to Name	Chemical Acronym	STOCK SHAPES							FILM	SPECIAL GRADES
		Rod	Extruded Sheet	Compression Moulded Sheet	Fabric Backed Sheet	Slab	Tubular Bar	Welding Rod	Film (.001" - .029")	ESD Grade
ABS	ABS	.	.	.	.	.	.	.	.	.
ABS - Flame Retardant	ABS	.	.	.	.	.	.	.	.	.
Acetal	POM	.	.	.	.	.	.	.	.	.
Acetal - 25% Glass Coupled	POM	.	.	.	.	.	.	.	.	.
Acetal - Thin Gauge C4	POM	.	.	.	.	.	.	.	.	.
Acetal-PTFE Filled	POM	.	.	.	.	.	.	.	.	.
Amodel	PPA	.	.	.	.	.	.	.	.	.
Carilon	PK	.	.	.	.	.	.	.	.	.
Clariflex	PVDF/HFP/TFE	.	.	.	.	.	.	.	.	.
Halar	ECTFE	.	.	.	.	.	.	.	.	.
HDPE	HDPE	.	.	.	.	.	.	.	.	.
HIPS	HIPS	.	.	.	.	.	.	.	.	.
Imidex	PI (thermoplastic polyimide)	.	.	.	.	.	.	.	.	.
Luran	ASA	.	.	.	.	.	.	.	.	.
Kynar	PVDF	.	.	.	.	.	.	.	.	.
Kynar Flex	PVDF/HFP	.	.	.	.	.	.	.	.	.
Noryl	PPO (modified)	.	.	.	.	.	.	.	.	.
Noryl - 30% Glass Filled	PPO	.	.	.	.	.	.	.	.	.
PBT	PBT	.	.	.	.	.	.	.	.	.
PEEK	PEEK	.	.	.	.	.	.	.	.	.
Polyarylate	PAR	.	.	.	.	.	.	.	.	.
Polycarbonate - Machine Grade	PC	.	.	.	.	.	.	.	.	.
Polycarbonate - Glass Reinforced	PC	.	.	.	.	.	.	.	.	.
Polycarbonate - Optical Grade	PC	.	.	.	.	.	.	.	.	.
Polyethersulfone	PES	.	.	.	.	.	.	.	.	.
Polymethylpentene	PMP	.	.	.	.	.	.	.	.	.
Polyphenylsulfone	PPSU	.	.	.	.	.	.	.	.	.
Polypropylene	PP	.	.	.	.	.	.	.	.	.
Polypropylene - Flame Retardant	FR PP	.	.	.	.	.	.	.	.	.
Polypropylene - Void Free	VF PP	.	.	.	.	.	.	.	.	.
Polypropylene - Glass Filled	GF PP	.	.	.	.	.	.	.	.	.
Polypropylene - Copolymer	PP/PE Copolymer	.	.	.	.	.	.	.	.	.
Polystyrene	PS	.	.	.	.	.	.	.	.	.
Polysulfone	PSO	.	.	.	.	.	.	.	.	.
PVDF	PVDF	.	.	.	.	.	.	.	.	.
Surlyn	IONOMER	.	.	.	.	.	.	.	.	.
Tefzel	ETFE	.	.	.	.	.	.	.	.	.
UHMW	UHMW-PE	.	.	.	.	.	.	.	.	.
UHMW - Glass Backed	UHMW-PE	.	.	.	.	.	.	.	.	.
UHMW - Cross Linked	UHMW-PE	.	.	.	.	.	.	.	.	.
Ultem	PEI	.	.	.	.	.	.	.	.	.
Ultem - Glass Reinforced	PEI	.	.	.	.	.	.	.	.	.

**Call our customer service department for current sizes, shapes and colors available 1-800-999-1700**

\* The sale of medical grade products may be restricted due to liability issues. Please contact Westlake's Medical Division for details.

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