

# Subscription & Trial Unit Order Form • Product Listings

Subscribe FREE to *DEVELOPMENTS™* and order a Trial Unit with this form. You must fax or mail us the form to be assured of receiving future issues. To help you try our products, Polytek™ will ship you Trial Units with free freight in the contiguous 48 states at

these special low introductory prices. Only one Trial Unit shipment of each product per customer. Subsequent orders are at list price. Directions and MSDS are sent with Trial Unit. A free *Manual & Catalog* is included with every Trial Unit shipment, if requested. This is a partial list; call for

other sizes or products. Other sizes of any product are available on a first-time trial basis at the lowest list price for that size, with free freight.

**Fax form to (610) 559-8626 or mail to: Polytek® Development Corp., Issue No. 29**

55 Hilton St., Easton, PA 18042  
 Total Mix Ratio Trial  
 Unit Size Gal (A:B by Weight) Prices

**Fill in the information below to subscribe and/or order a Trial Unit.**

I wish to receive a FREE subscription to *DEVELOPMENTS™*  Yes  No

Signature (required): \_\_\_\_\_

Today's Date (required): \_\_\_\_\_

Customer number from mailing label: \_\_\_\_\_

Is address on label a home address?  Yes  No

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Telephone: \_\_\_\_\_

Company: \_\_\_\_\_

Street Address: \_\_\_\_\_ Ad- \_\_\_\_\_

Mail Address if different: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip: \_\_\_\_\_

Does your company use liquid rubber or plastic now?  Yes  No

Please estimate how many pounds per year. \_\_\_\_\_

What kinds? \_\_\_\_\_

**Fill in the information below to order a Trial Unit.**

Please send me the Trial Units I've checked at these special low prices via UPS prepaid. (Other sizes of any product are available on a first-time trial basis at a special low price for that size, with free freight. Call for special prices.)

Purchase Order No.: \_\_\_\_\_

Phone: (\_\_\_\_\_) \_\_\_\_\_

Method of Payment:

Check  Money Order

Credit Card (VISA/MC/AMEX)

Card No.: \_\_\_\_\_

Exp. Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Comments or Questions: \_\_\_\_\_

Total Product Order: \$ \_\_\_\_\_

Accessories (free freight if shipped with a Trial Unit of greater value): \_\_\_\_\_

\* Poly-Optic® requires vacuum or pressure for clear castings.

Prices subject to change without notice.

Total Accessories: \$ \_\_\_\_\_

## SILICONE RTV MOLD RUBBERS—70 SERIES (TIN)

TinSil® 70-10	9 lb	.98	1	10	\$83.00
TinSil® 70-25	9 lb	.98	1	10	83.00
TinSil® 70-30	8.3 lb	.90	2	100	77.00
New TinSil® 70-39	9 lb	.90	1	10	83.00

## SILICONE RTV MOLD RUBBERS—71 & 73 SERIES (PLATINUM)

PlatSil® 71-10	9 lb	.98	1	10	\$93.00
PlatSil® 71-30	9 lb	.98	1	10	93.00
PlatSil® 71-35	9 lb	.98	1	10	93.00
PlatSil® 73-45	9 lb	.85	1	10	93.00
New PlatSil® 73-60	9 lb	.85	1	10	93.00
PlatSil® Gel-10	2 lb	.24	1	1	26.00
	16 lb	1.9	1	1	170.00
PlatSil® 71-15	2 lb	.24	1	1	26.00
	16 lb	1.9	1	1	170.00
PlatSil® 71-20	2 lb	.24	1	1	26.00
	16 lb	1.9	1	1	170.00

## BRUSHABLE MOLD RUBBERS

Polygel® 35	16 lb	1.87	1	1	\$82.00
Polygel® 40	16 lb	1.87	1	1	82.00
Polygel® 50	16 lb	1.87	1	1	82.00
Poly Latex 60	8 lb	.96	—	—	25.00

## POURABLE MOLD RUBBERS

Poly 72-40 MF	9.9 lb	.86	1	10	\$47.00
Poly 74-20	6 lb	.71	2	1	34.00
	24 lb	2.84	2	1	106.00
Poly 74-29	4 lb	.46	1	1	25.00
	16 lb	1.86	1	1	69.00
Poly 74-30	4 lb	.47	1	1	25.00
	16 lb	1.90	1	1	69.00
Poly 74-45	4 lb	.46	1	1	25.00
	16 lb	.86	1	1	69.00
Poly 74-55	20 lb	2.37	4	1	98.00
Poly 75-59	4 lb	.45	1	1	25.00
	16 lb	1.80	1	1	69.00
Poly 75-60	4 lb	.45	1	1	25.00
	16 lb	1.80	1	1	69.00
Poly 75-70	4 lb	.45	1	1	25.00
	16 lb	1.80	1	1	69.00
Poly 75-80	6 lb	.67	2	1	34.00
	24 lb	2.68	2	1	106.00
Poly 74/75X	1 lb	—	—	—	27.00

## SPECIALTY MOLD MATERIALS

Hydrogel® N	0.5 lb	—	—	—	\$11.00
Poly Latex False Face	8 lb	.90	—	—	25.00

## POURABLE CASTING RESINS

EasyFlo™ 60	3.8 lb	.44	1:1 by volume	\$21.00	
	15.2 lb	1.75	1:1 by volume	63.00	
EasyFlo™ 120	3.8 lb	.44	1:1 by volume	21.00	
	15.2 lb	1.75	1:1 by volume	63.00	
Poly 15-3X	20 lb	1.56	1	1	52.00
Poly 15-6	16 lb	1.77	1	1	66.00
Poly 15-8	12.1 lb	.92	26	100	58.00
Poly 1510	16 lb	1.77	1	1	66.00
Poly 1512	16 lb	1.87	1	1	82.00
New Poly 1512X	16 lb	1.87	1	1	82.00
Poly-Optic® 1410*	10 lb	1.12	3	2	89.00
Poly-Optic® 1420*	6 lb	.70	2	1	60.00
Poly-Optic® 14-70*	14.4 lb	1.62	4	5	103.00
Poly-Optic® 14R	1 lb	—	—	—	8.00
PolyFoam™ R-8	16 lb	1.75	1	1	66.00
PolyFoam™ F-5	16 lb	1.75	1	1	66.00
New Poly Plasti-Flex™	8.1 lb	1.25	35	100	36.00

etration. A mold can be made in an afternoon and cured overnight. **Polygel® Quick-Spray 50 & Polygel® Spray 35** offer a rapid cure for large spray applications.

## Poly 74, 75 & 77 Series Poly Urethanes Our Most Popular Mold Rubbers

Hardnesses range from Shore A~20 to A~80. **Poly 74-30** is our most versatile rubber. Easy 1:1 mix, widely used by foundries for waxes. Can be poured as supplied or thickened and brushed on. Long working time, very fluid. Excellent for plaster and limited castings of resins and cement as well. **Poly 74-29** is a tougher version; **New Poly 74-20** is softer. **Poly 74-45** is stretchy with a high tear. Widely used for dimensionally stable plaster castings. No plaster buildup. **Poly 74-55** is firmer for the same uses. **Poly 75-60** and **Poly 75-59** are firm 1:1 mix products widely used for concrete and plaster castings. Fast-setting, they can often be demolded within hours. **Poly 77-50** and **77-65** are 1:1 with high elongation and excellent tear. **Poly 75-75** and **Poly 75-80** are very stiff rubbers with excellent toughness for molds, forms, and parts.

## Poly 72-40 MF Mold Rubber

Hardness can be varied by using Part C. Can be thickened for brush-on molds with Cab-O-Sil® or Part D.

## Hydrogel® N

A powder that mixes to a creamy consistency with water, sets in minutes to a rubbery gel that yields excellent mold impressions if plaster or wax is cast right after demolding. Safe for body contact.

## Poly Latex 60 & False Face

**Poly Latex 60** is a one-part, thickened, natural latex for brush-on molds that is high strength and durable. **Poly Latex N** is a thin version. **False Face Compound** is used for novelty masks, flexible sculpture, and animatronic applications.

## Poly Urethane Liquid Plastics

### Poly 15 Series Resins, Poly LiteCast®, EasyFlo™, and Poly Plasti-Flex™

Easy to use, 1:1 mix, odorless, Poly Urethane (PUR) resins cure to a tan, white, or clear amber plastic in several hours or in a few minutes. **EasyFlo™** products are 1:1 by volume, super-low-viscosity, fast-casting plastics; great for bubble-free parts. Use **Poly 15-6** with fiberglass mat or Poly Fiber to build strong, light mold shells. **Poly 15-3**, highly filled with a safe, non-silica filler, is useful for casting parts, molds and tools. Faster-setting **Poly 15-3X** cures in less than an hour. **Poly 1510, Poly 1512, and Poly 1512X** are water thin, with a great thermoplastic feel for prototypes. **Poly LiteCast** is a low-density, wood-like casting resin, easily carved, cut, sanded, and drilled. **Poly 15-8** is an aluminum-filled polyurethane for higher heat resistance applications. **New Poly Plasti-Flex™** is an A~90 hardness, low-density, high-impact "flexible plastic" that can be bent, sanded, drilled, and screwed.

## Poly-Optic® Clear Casting Resin

**Poly-Optic® 1410** is a crystal-clear, non-yellowing, polyurethane liquid plastic with a Shore D~85 hardness. **Poly-Optic® 1420** is also crystal clear but must be heat cured to obtain strength and is buffable. **Poly-Optic® 14-70** is a clear rubber with a Shore A~70 hardness.

## Poly 81 Series High-Performance Elastomers

RTV (room temperature vulcanizing) liquid elastomers for parts, tools, and molds; low moisture sensitivity. Hardnesses of D~55, D~45 and A~90.

## Poly Waxes

**Poly Skin-Wax** has a very low melt point with good toughness after cooling for making molds of hands, feet, and delicate objects with limited undercuts. **Poly Wax 15** is mineral-filled for casting in most rubber molds to make recarvable models.

## PolyPoxy® Liquid Plastic Resins

**PolyPoxy® 1010** is a basic, low-viscosity epoxy resin for general use. With **Poly Cure 1212** it can be filled with bronze or other metal powders for production of cold-cast bonded bronze in Poly rubber molds. Ask about our other epoxy systems.

## PolyFoam™ R-8 & R-5 Castable Rigid Foams New PolyFoam™ F-5 Flexible Foam

These easy-to-use 1:1 mix foams can be cast in closed molds packed to a density of 7 to 20 pounds per cubic foot to produce parts replicating wood, terra-cotta, stone, or many other materials. Usually cast in molds of PlatSil® 73-45 with Barrier PF and Pol-Ease® PF.

## Polytek® Accessories

Product	Packaging	US \$
New Poly-Crete® Sales and shipping	0.25 lb	19.00
(available in blue, green, steel, tan and black)	1 lb	60.00
New Mold-Key Knife, cut tongue & groove notch	each	35.00
Exemption Certificate, 300 file with US\$	12 oz. can	8.50
Release Agent, Pol-Ease® 2300 Aerosol Can, improved spray tip	1 lb wrapped blocks	1.50
Poly Plasti-Flex™ non-hardening, sulphur-free modeling clay	each	6.75
Poly Paddle, 16" rubber bowl scraper for best hand mixing	2 lb can	14.00
Bronze Powder for "Bonded Bronze"	10 lb can	59.00
>80% Bronze 15-20% resin is recommended	10 lb bag	99.00
Cab-O-Sil®, Grade M-5, fumed silica for thickening rubbers and plastics	5 gal pail (about 2 lb.)	31.00
Nitrile Disposable Gloves, large size fits all	box of 100	15.00
Rubber Bands, heavy duty, 4" x 3/4" or 8" x 3/4"	1 lb box	6.75
Pol-Ease® 2650, silicone-free bulk release for concrete and plaster castings	1.5 lb, qt	7.25
	5 gal	78.00
Poly Purge™, aerosol dry gas for Poly Urethane containers	aerosol can	10.50
Pol-Ease® 2350, liquid petroleum release agent for use when pouring silicone RTV over a model or against cured silicone.	1.5 lb, qt	7.25
Tietex Fabric for reinforcing/repairing rubber molds, 40" wide	10' or 324' roll	10.00/199.00
China Bristle Brushes, wood handle, bundle of 10	1" or 2" brush	9.50/11.50
Tongue Depressors, mixing blades, white birch wood, 6" length	box of 500	12.50
Poly Spatulas, stainless steel, comfortable vinyl handle for mixing	4" or 6" blade	11.00/12.00

## Polytek® Products

### RTV Liquid Rubbers and Plastics for Mold Making and Casting

#### TinSil® 70 and PlatSil® 71 & 73 Series RTV Silicone Rubbers

Many products, from soft Shore A~10 to firm A~60 hardness. Best for casting resins and low-melting metals. Consider our **TinSil® 70 Series** tin-cured systems for best economy. Consider our platinum-cured **PlatSil® 71 and 73 Series** for highest performance. **PlatSil® 71-15 and 71-20** are 1:1 mix, fast-curing, high-strength silicone RTV mold rubbers.

#### Polygel® Self-Thickening Brushable/Sprayable Mold Rubbers

Patented Polygel® mold rubbers are 1:1 mix liquids that thicken during mixing to brush-on viscosity. No Cab-O-Sil® or Part D needed. **Polygel® 50** can be applied about 1/4-inch thick, while **Polygel® 35 & 40** are thinner for best detail pen-