

Investment casting waxes have been a core product line of REMET for many years. The waxes include versions for the production of patterns, soluble cores, runners, gating systems, and their assembly and repair. REMET also offers reclaimed waxes that can be reconstituted to virgin-like properties. When recommending a wax, REMET considers many important properties including: injection equipment, form of wax, dimensional accuracy, filled or non-filled systems, viscosity, thermal expansion, size of patterns, dewaxing methods and many others.

- Extensive Product Range and Application Support
- Customized Wax Products Available
- ISO-9001:2000 Process to Ensure Quality and Consistency
- Multiple Manufacturing Facilities
- Portable Conditioning Tanks for New Product Trials

## PATTERN WAXES—FILLED

Available with REMET patented fillers that include XLPS<sup>1</sup>, XLA<sup>2</sup>, Terphthalic Acid, Bisphenol, Urea, Polyol and others.

### **HYFILL®**

- Filled pattern waxes with filler contents of 30% or greater.
- Provides exceptional dimensional pattern reproducibility.

### **LITEFILL®**

- Filled pattern waxes with filler contents between 10% and 29%.
- Exhibits exceptional dewax properties.

### **ECOWAX®**

- The world's most ecologically friendly filled pattern wax that is very low in ash.
- The stable, high-melt-point filler provides a unique combination of dimensional stability, improved surface finish and excellent dewax properties.

### **TIWAX®**

- Filled pattern wax formulated with patented, neutral filler and designed specifically for titanium casting.
- Exhibits exceptionally clean burn-out and can help reduce or eliminate metal mold reaction and alpha case.

### **AQUACAST**

- Water filled pattern wax that is environmentally friendly and characterized by excellent mold release and dewax properties.
- Exhibits superior surface finishes.

## PATTERN WAXES—NON-FILLED

Various products available to suit customer specific needs.

### **CASTYLENE®**

- Superior surface finishes.
- Superb flow properties.
- Alleviates mold cracking conditions.

## SOLUBLE WAXES

REMET soluble waxes provide exceptional strength and are essential for producing intricate internal passages, not achievable by tooling alone.

### **SOLUCORE®**

- Exceptional strength.
- Great surface finish.

### **SOLUCORE® Plus**

- Improved strength.
- Excellent surface finish.
- Superior performance with large parts.

## RECLAIM AND SYSTEM WAXES

REMET provides reclaiming services for most waxes and can reconstitute to virgin-like properties or to customer specifications. System waxes are a blend of true virgin waxes and reclaim waxes to provide cost-effective pattern waxes and runner systems, while maintaining necessary performance standards.

## EXTRUDED WAXES

Available in traditional RED C® and new REMET 1400 & REMET 1500 grades. These extrusion products allow you to choose the right pliability and strength for your application. All grades are offered in a wide variety of shapes and sizes, in both solid and cored versions.

### **RED C® (Premium Grade)**

- Great surface finish.
- Exceptional pliability and strength.

### **REMET 1400 & REMET 1500 (Commercial Grades)**

- Increased stiffness.
- Economical alternative.

## UTILITY WAXES

REMET offers a full range of quality utility waxes, including Sprue, Patch, Sheet, Dipseal and Sticktite® Waxes.

### **UTILITY K®**

- Pliable sheet wax with good strength.

### **UTILITY V®**

- Softer version of sheet wax.

### **STICKTITE® T**

- Outstanding strength.
- Now available in easy to handle pastilles.

### **STICKTITE® 271A EASY**

- Now available in easy to handle pastilles.

<sup>1</sup> Cross Linked Polystyrene

<sup>2</sup> Cross Linked Acrylic

AQUACAST is a registered trademark in Europe and Japan.



# CASTING WAX QUESTIONNAIRE

COMPANY \_\_\_\_\_

PHONE \_\_\_\_\_

FAX \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_

ZIP \_\_\_\_\_

CONTACT \_\_\_\_\_

TITLE \_\_\_\_\_

## TYPE OF WAX

Pattern  Sprue/Gating  Soluble  Other

Supplier \_\_\_\_\_

Product \_\_\_\_\_

Price \_\_\_\_\_ Lbs. Per Month \_\_\_\_\_

**Filled** % Filler \_\_\_\_\_ Type \_\_\_\_\_

**Non-Filled**

## INJECTION EQUIPMENT (INDICATE THE NUMBER OF EACH TYPE)

Tempcraft  MPI  Jahnke  Leyden

Sherwood  Cleveland Tool & Machine  Other

Capacity (in tons) \_\_\_\_\_

## MELT & CONDITIONING EQUIPMENT

Melt Equip. \_\_\_\_\_ Temp. \_\_\_\_\_°F

Cond. Equip. \_\_\_\_\_ Temp. \_\_\_\_\_°F

## JACKET

Steam  Water  Electric  Gas  Oil

## Agitation/Mixing Equipment Description

\_\_\_\_\_

## INJECTION PARAMETERS

Injection Temp. \_\_\_\_\_°F

Nozzle Temp. \_\_\_\_\_°F

Platen Temp. \_\_\_\_\_°F

Injection Pressure \_\_\_\_\_ psi

Dwell Time \_\_\_\_\_ seconds

## CONSISTENCY AT INJECTION TEMPERATURE

Liquid  Semi-Liquid  Paste  Billet

## TYPE OF PARTS

Blades & Vanes  Hardware  Thin Walls

Other \_\_\_\_\_

## SHELL

Ferrous  Non-Ferrous

Type \_\_\_\_\_

## SOLID MOLD

Ferrous  Non-Ferrous

Type \_\_\_\_\_

## DEWAXING

Autoclave  Flash Fire  Hot Wax  Steam

Other \_\_\_\_\_

## BURNOUT TEMPERATURE

Burnout Temp. \_\_\_\_\_°F

Burnout Time \_\_\_\_\_

## IMPROVEMENTS DESIRED

\_\_\_\_\_

\_\_\_\_\_

## QUANTITY OF WAX REQUIRED FOR EVALUATION

\_\_\_\_\_



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