

Plasticast® PT Investment & Binder

A Water-Based, Two-Part System for Casting Rapid Prototype Pattern Materials and High Temperature Alloys



The PLASTICAST PT investment & binder system was developed, and is ideally suited for, the investing and burnout of commonly used plastic or wax/plastic pattern materials. The high expansion of these pattern materials requires an equally high expanding, extra high strength investment.

The PLASTICAST PT investment & binder system provides jewelry casters with a mold material that meets those demands while maintaining mold surface and dimensional integrity for high temperature metal casting.

The PLASTICAST PT investment & binder system can also be used with standard wax patterns for high temperature metal casting.

In addition to excellent performance with rapid prototype pattern materials, this system offers casters the following benefits over traditional two-part platinum investments:

- Eliminates the acid-based binder hazard associated with common two-part platinum investments.
 - Operators are not exposed to a hazardous liquid.
 - Storage for hazardous liquid is eliminated.
 - Shipping costs and special transportation requirements for hazardous liquid are eliminated.
- Eliminates special investing flask preparation requirements.
 - Costs associated with absorbent liners are eliminated as they are not needed.
 - Time associated with complicated flask preparation is eliminated.

Typical Material Properties*

Diluted Binder/Powder Ratio	24 parts diluted binder to 100 parts powder by weight
Working Time	< 5 minutes
Setting Time	6-11 minutes
Slump	108 mm-127 mm

*These results are based on the testing methods, frequency and procedures of Ransom & Randolph or its approved suppliers. The levels referenced herein are only for general guidance and do not constitute a firm specification.



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PRODUCT DATA SHEET

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