



Alumina Trihydrate

For use in
filled tooling systems

General Characteristics

Chemical Formula	Al ₂ O ₃ · 3H ₂ O or Al(OH) ₃
Specific Gravity	2.42
Decomposition Temp.	428°F (220°C)
Refractive Index	1.57
Mohs' Hardness	2.5 - 3.5
Appearance	Crystalline Powder
Color	off-white / tan

Typical Chemical Compositions

Al ₂ O ₃ · 3H ₂ O	99.5%
L.O.I (1000°C)	34.5%
SiO ₂	0.01%
Fe ₂ O ₃	0.006%
Na ₂ O (total)	0.30%
Free moisture	0.3% max

RC-802/RC-802A*

Typical Physical Properties

Resin Demand (ml/100g)**	29
Gel Time (minutes)	18
+Screen Analysis	
% on 200 mesh	0
% on 325 mesh	3
*Median Particle Size, Microns	8
Viscosity #2 Spindle, 20rpm	1100

*RC-802 is available from our Erie, MI plant.

RC-802A is available from our Alpine, AL plant.

**Wet out test, in unsaturated polyester resin.

+Wet screen analysis using US Standard stainless steel screens Sedigraph using micrometrics model 5120

RC-802/RC-802A is ATH with a unique particle size distribution, which was used in the development of the Reichhold and Cook tooling resin systems. This material is produced with careful attention to SQC (statistical quality control) at our facilities in either Erie, Michigan or Alpine, Alabama and is available for shipment from the plant or can be made available from area warehouses. For information on suggestions for use, please contact your Reichhold or Cook resin representative.

R.J. Marshall offers one of the most complete lines of Bayer Alumina Trihydrate available in the market today. By combining our technical capabilities and our multiple processing locations, R.J. Marshall is able to consistently control particle size distributions while offering a wide range of Alumina Trihydrate products.

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