

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

MaxTool products are engineered alumina trihydrate (ATH) fillers with unique particle size distribution developed for use in tooling resin systems. MaxTool products are produced with careful attention to SQC (statistical quality control) and provide improved processing, reduced cost and lower VOC's versus unfilled systems.

MaxTool 710

Test results show using MaxTool 710 decreases viscosity build as compared to other filler systems at similar loading percentages which allows increased filler percentage maximizing the overall benefits of using a filled resin system.

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

Faster Tool Production

MaxTool allows faster laminate development with less heat build up.

Low Shrinkage

MaxTool reduces shrinkage resulting in less tool stress, no print through, delamination or surface distortion.

MaxTool 815

MaxTool 815 utilizes our "state of the art" filler technology allowing you to fill your tooling resin up to 50% by weight with minimal viscosity build.

Typical Physical Properties	MT710	MT815	Lite 170
Packed Bulk Density (lb/ft ³)	36	41	43
Loose Bulk Density (lb/ft ³)	34	37	36
Oil Absorption (ml/100g)	39	38	n/a
Median Particle Size (um)	8	12	12
+100 mesh (%)	0	0	0
+200 mesh (%)	0.3	1	6
+325 mesh (%)	3	13	17

Reduced Cost

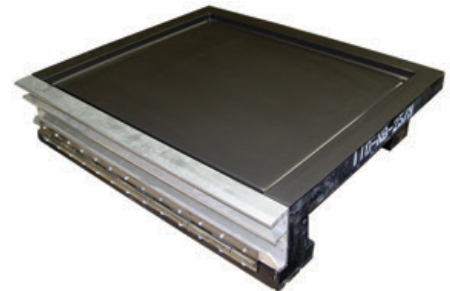
MaxTool can replace up to 50% of resin by weight, thus reducing your resin costs.

Lower VOC's

MaxTool will reduce your VOC emissions by reducing tooling resin content.

MaxTool Lite 170

MaxTool Lite 170 features all the benefits of MaxTool 710 with a 25% weight reduction in the laminate as compared to MaxTool 710 and 815.



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