

# ZIRCO-BLAST

**SDN. BHD.**

(Co. No. 505255-V)

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## PLASTIC BLASTING MEDIA

### Technical Data – Type H

Type H is a Thermoset Urea Formaldehyde plastic media. This is aggressive and it is recommended for use in the aerospace industry where base material is at least 0.040 inches (1 mm) thick and residual stress will have no consequences. This is also used in the semiconductor industry to remove flashes and resin bleed on epoxy molded packages where Type XH (Melamine) is found to be too aggressive. Type H meets Mil Std specifications of MIL – DTL – 85891B, Type II. It is fully polymerized and it does not contain free formaldehyde. It is Anti-static treated and has the following chemical and physical properties.

Chemical Nature	Inert
Appearance	Granular
Colour	White with mixed colors
Hardness	Barcol 54 – 62 Mohs 3.5
Tensile strength	5,000 – 15,000 psi
Elongation	0.6 – 1.0 %
Compressive strength	25,000 – 45,000 psi
Izod impact test (0.125" specimen)	0.2 – 0.4 ft lb/in
Explosibility – minimum explosive concentration	0.085 oz/cu ft
Ignition temperature	530 deg C
Specific gravity	1.45 - 1.55
Chlorine	Trace
Ash content	0.5% by wt
Iron content	0.00% by wt
Extract content	0.1% by wt
pH	5.6
Conductivity	34 umho/cm
Water absorption	10% b wt
Heavy particulate	0.00% by wt
Light particulate	1.0% by wt