

**US Technology Media
Technical Data Sheet**

Polyplus Prime[®] Type II

Polyplus Prime is a thermoset Urea Formaldehyde which has been treated with an anti-static agent, custom manufactured specifically for plastic media blasting.

| | |
|-----------------------------------|--------------------------|
| Chemical Nature | Inert |
| Appearance | Granular |
| Color | White |
| Hardness | Barcol 54-62 MOHS 3.5 |
| Elongation | <1.0% |
| Compressive Strength | 25000-45000 psi |
| Izod impact (1/8" specimen) | 13-21 Jm ⁻¹ |
| Explosibility – Minimum Explosive | 0.085oz/ft ³ |
| Ignition Temperature | 530°F |

Limits per MIL-P-85891A

| | |
|-----------------------------|--------------------------------|
| Chlorine Content | Trace |
| Ash Content | 2.0% by wt |
| Iron Content | 0.10% by wt |
| Specific Gravity | 1.47 – 1.52 gm/cm ³ |
| Extract Content | 1% by wt |
| PH | 4-8 |
| Conductivity | 100 mho/cm |
| H ₂ O Absorbtion | 10% by wt |
| Heavy Particulate | 0.02% by wt |
| Light Particulate | 1.0% by wt |