

**US Technology Media**  
**Technical Data Sheet****Poly V<sup>®</sup> Type V Grade "A" Virgin**

Poly V<sup>®</sup> is a thermoplastic Acrylic which is custom engineered specifically for use as plastic blasting media. It is available in PREMIUM GRADE and Mil-Spec Certified configurations. Poly V<sup>®</sup> has been treated with an anti-static agent.

Chemical Nature	Inert
Appearance	Granular
Color	Clear
Hardness	Barcol 46-54 MOHS 3.5
Elongation	2-10%
Compressive Strength	12000-18000 psi
Izod impact (1/8" specimen)	16-27 Jm <sup>-1</sup>
Explosibility – Minimum Explosive	0.079oz/ft <sup>3</sup>
Ignition Temperature	390°C

**Limits per MIL-P-85891A**

Chlorine Content	Trace
Ash Content	0.5% by wt
Iron Content	0.05% by wt
Specific Gravity	1.1-1.2 gm/cm <sup>3</sup>
Extract Content	95% min. by wt
PH	4-8
Conductivity	100 mho/cm
H <sub>2</sub> O Absorbtion	2% by wt
Heavy Particulate	0.02% by wt
Light Particulate	1.0% by wt