



**PLASTI-GRIT® PLASTIC BLAST MEDIA**

**PLASTI-GRIT® TYPE I: POLYESTER**

TYPE I, a thermoset Polyester, meets the specifications of MIL-P-85891A. The finished product contains no inorganic fillers and is treated with an anti-static agent. Type I Polyester is commonly used as an abrasive, blast media and filler.

TYPICAL PROPERTIES	
CHEMICAL NATURE	Inert
APPEARANCE	Granular
COLOR	Multi-colored
HARDNESS	Barcol 34-42 ▪ MOH 3.0
TENSILE STRENGTH (ASTM D638)	600 – 13,000 psi
ELONGATION (ASTM D638)	2 – 6%
COMPRESSIVE STRENGTH (ASTM D695)	13,000 – 30,000 psi
IZOD IMPACT (1/8" specimen) (ASTM D256A)	0.2 – 0.4 ft lb/in
EXPLOSIBILITY (Minimum explosive concentration)	.045 oz/cu ft (NACE CR 87.011 June 1987)
IGNITION TEMPERATURE	440° F

MILSPEC LIMITS (MIL-P-85891A)	
CHLORINE CONTENT	Trace
ASH CONTENT	0.5% by weight
IRON CONTENT	.05% by weight
SPECIFIC GRAVITY	1.15 – 1.25 gm/cu cm
EXTRACT CONTENT	5% by weight
CONDUCTIVITY	100 mho/cm
PH	4-8
H2O ABSORPTION	2% by weight
HEAVY PARTICULATE	.02% by weight
LIGHT PARTICULATE	.1% by weight

STANDARD MESH SIZES	
12/16* ▪ 12/20* ▪ 16/20* ▪ 20/30* ▪ 20/40* ▪ 30/40* ▪ 40/60* ▪ 60/80*	
*Available in MIL-SPEC Grade MIL-P-85891A	

PACKAGING	
50 lb. Boxes ▪ 275 lb. Drums ▪ 2,000 lb. Super-Sacks	

