



PLASTI-GRIT® PLASTIC BLAST MEDIA

PLASTI-GRIT® TYPE II: UREA

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

TYPICAL PROPERTIES	
CHEMICAL NATURE	Inert
APPEARANCE	Granular
COLOR	Multi-colored or White
HARDNESS	Barcol 54-62 ▪ MOH 3.5
TENSILE STRENGTH (ASTM D638)	5,500 – 13,000 psi
ELONGATION (ASTM D638)	1%
COMPRESSIVE STRENGTH (ASTM D695)	25,000 – 45,000 psi
IZOD IMPACT (1/8" specimen) (ASTM D256A)	0.25 – 0.4 ft lb/in
EXPLOSIBILITY (Minimum explosive concentration)	.079 oz/cu ft (NACE CR 87.011 June 1987)
IGNITION TEMPERATURE	>530° F

MILSPEC LIMITS (MIL-P-85891A)	
CHLORINE CONTENT	Trace
ASH CONTENT	.5% by weight
IRON CONTENT	.05% by weight
SPECIFIC GRAVITY	1.47 – 1.52 gm/cu cm
EXTRACT CONTENT	1% by weight
CONDUCTIVITY	100 mho/cm
PH	4 – 8
H2O ABSORPTION	10% by weight
HEAVY PARTICULATE	.02% by weight

STANDARD MESH SIZES	
8/12 ▪ 12/16* ▪ 12/20* ▪ 16/20* ▪ 20/30* ▪ 20/40* ▪ 30/40* ▪ 40/60* ▪ 60/80* ▪ -100	
*Available in MIL-SPEC Grade MIL-P-85891A	

PACKAGING	
50 lb. Boxes ▪ 275 lb. Drums ▪ 300 lb. Drums (8/12 & 12/16) * 2,000 lb. Super-Sacks	

