

PLASTI-GRIT® PLASTIC BLAST MEDIA

PLASTI-GRIT® TYPE I: POLYESTER

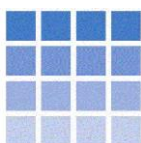
TYPE I, a thermoset Polyester, meets the specifications of MIL-P-85891A. The finished product contains no inorganic fillers and is treated with an anti-static agent. Type I Polyester is commonly used as an abrasive, blast media and filler.

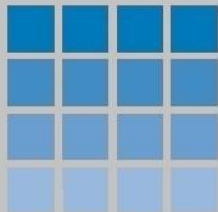
TYPICAL PROPERTIES	
CHEMICAL NATURE	Inert
APPEARANCE	Granular
COLOR	Multi-colored
HARDNESS	Barcol 34-42 ▪ MOH 3.0
TENSILE STRENGTH (ASTM D638)	600 – 13,000 psi
ELONGATION (ASTM D638)	2 – 6%
COMPRESSIVE STRENGTH (ASTM D695)	13,000 – 30,000 psi
IZOD IMPACT (1/8" specimen) (ASTM D256A)	0.2 – 0.4 ft lb/in
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	





PLASTI-GRIT® PLASTIC BLAST MEDIA

PLASTI-GRIT® TYPE II: UREA

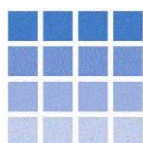
Type II, a thermoset Urea Formaldehyde, meets the specifications of MIL-P-85891A. The finished product contains no inorganic fillers & is treated with an anti-static agent. Type II Urea is commonly used as an abrasive, blast media & filler.

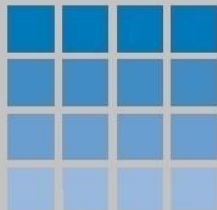
TYPICAL PROPERTIES	
CHEMICAL NATURE	Inert
APPEARANCE	Granular
COLOR	Multi-colored or White
HARDNESS	Barcol 54-62 ▪ MOH 3.5
TENSILE STRENGTH (ASTM D638)	5,500 – 13,000 psi
ELONGATION (ASTM D638)	1%
COMPRESSIVE STRENGTH (ASTM D695)	25,000 – 45,000 psi
IZOD IMPACT (1/8" specimen) (ASTM D256A)	0.25 – 0.4 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 ▪ 2,000 lb. Super-Sacks	




PLASTI-GRIT® PLASTIC BLAST MEDIA
PLASTI-GRIT® TYPE III: MELAMINE

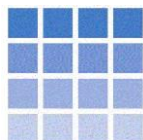
TYPE III, a thermoset Melamine Formaldehyde, meets the specifications of Mil-P-85891A. The finished product contains no inorganic fillers and is treated with an anti-static agent. Melamine is commonly used as an abrasive, blast media & filler.

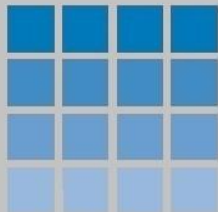
TYPICAL PROPERTIES	
CHEMICAL NATURE	Inert
APPEARANCE	Granular
COLOR	Multi-colored
HARDNESS	Barcol 64-72 ▪ MOH 4.0
TENSILE STRENGTH (ASTM D638)	5,000 – 15,000 psi
ELONGATION (ASTM D638)	.6 – 1.0%
COMPRESSIVE STRENGTH (ASTM D695)	33,000 – 45,000 psi
IZOD IMPACT (1/8" specimen) (ASTM D256A)	0.2 – 0.4 ft lb/in
EXPLOSIBILITY (Minimum explosive concentration)	.09 oz/cu ft (NACE CR 87.011 June 1987)
IGNITION TEMPERATURE	>530° F

MILSPEC LIMITS (MIL-P-85891A)	
CHLORINE CONTENT	Trace
ASH CONTENT	0.5% 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	8
H2O ABSORPTION	10% by weight
HEAVY PARTICULATE	.02% by weight

STANDARD MESH SIZES
8/12 ▪ 10/12 ▪ 10/20 ▪ 12/16* ▪ 12/20* ▪ 16/20* ▪ 20/30* ▪ 20/40* ▪ 30/40* ▪ 40/60* ▪ 60/80* ▪ 60/100 ▪ -100
*Available in MIL-SPEC Grade MIL-P-85891A

PACKAGING
50 lb. Boxes ▪ 275 lb. Drums ▪ 2,000 lb. Supersacks





PLASTI-GRIT® PLASTIC BLAST MEDIA

PLASTI-GRIT® TYPE V: ACRYLIC

Type V, a thermo-plastic Acrylic, has been treated with an anti-static agent. This product meets the requirements for Type V Grade A media as specified in MIL-P-85891A. Acrylic is commonly used in blast operations for paint removal.

TYPICAL PROPERTIES	
CHEMICAL NATURE	Inert
APPEARANCE	Granular
COLOR	White to Light Grey
HARDNESS	Barcol 46-54 ▪ MOH 3.2 – 3.5
TENSILE STRENGTH (ASTM D638)	8,000 – 11,000 psi
ELONGATION (ASTM D638)	2 – 7%
COMPRESSIVE STRENGTH (ASTM D695)	11,000 – 19,000 psi
IZOD IMPACT (1/8" specimen) (ASTM D256A)	0.3 – 0.4 ft lb/in
EXPLOSIBILITY (Minimum explosive concentration)	Non-hazardous; .079 oz/cu ft.
IGNITION TEMPERATURE	390° F

MILSPEC LIMITS (MIL-P-85891A)	
CHLORINE CONTENT	Trace
ASH CONTENT	0.5% by weight
IRON CONTENT	.05% by weight
SPECIFIC GRAVITY	1.1 – 1.2
EXTRACT CONTENT	4 – 8
CONDUCTIVITY	100
PH	4 – 8
H2O ABSORPTION	2% by weight
HEAVY PARTICULATE	.02% by weight
LIGHT PARTICULATE (MAX)	.1% by weight

STANDARD MESH SIZES
8/12 ▪ 10/20 ▪ 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 ▪ 250 lb. Drums ▪ 2,000 lb. Super-Sacks

