

LiteBlast™ BB Series

PRODUCT DESCRIPTION AND TECHNICAL DATA

Product Description and Technical Data:

LiteBlast™ BB Series is a specialty engineered plastic blasting media family designed for removal of bonding adhesive squeeze-out, sealant, and selected coatings while helping preserve underlying substrates and protective coatings.

LiteBlast™ BB1 is specifically designed to remove bonding adhesive squeeze-out on bonded aerospace panels while helping leave the substrate and protective coatings such as primer, alodine, or anodizing intact. It delivers fast cleaning performance with low dust, low attrition, and minimal residual stress to the substrate.

LiteBlast™ BB2 is a custom-engineered virgin-resin grade developed for difficult metal bond adhesive squeeze-out removal. It is designed to remove bond adhesive flash while helping leave primer intact, using lower blast pressure and less media*, and it can also assist in removal of elastomeric coatings and sealant.

LiteBlast™ BB1

- Multi-colored Engineered Plastic Media
- Adhesive Squeeze-Out Removal
- Preserves Coatings

LiteBlast™ BB2

- Clear Engineered Plastic Media
- Lower-Pressure Primer-Safe Cleaning
- Removes Adhesive Flash, Sealant & Elastomeric Coatings

LiteBlast™ Abrasive Properties:

Property	BB1	BB2
Chemical Nature	Inert	Inert
Appearance	Granular	Granular
Color	Multi-colored	Clear
Hardness	Barcol 34 – 42	Barcol 38 – 49
MOHS	3.0	3.0
Compressive Strength	600 – 13000 psi	600 – 13000 psi
Specific Gravity	1.15 – 1.25 gm/cm ³	1.15 – 1.25 gm/cm ³
Unique Property	Adhesive squeeze-out removal while preserving coatings	Lower-pressure primer-safe adhesive removal

LiteBlast™ BB Series

TECHNICAL DATA • APPLICATION GUIDE

LiteBlast™ BB1 and BB2 Comparison Guide

Property	BB1	BB2
Typical Media Color	Multi-colored	Clear
Typical Cleaning Style	Fast adhesive squeeze-out removal	Lower-pressure primer-safe removal
Helps Preserve	Primer, alodine, anodizing	Primer and coated substrates
Typical Applications	Bonded aerospace panels, adhesive squeeze-out, selective coating removal	Metal bond adhesive flash, sealant, elastomeric coatings
Dust / Attrition Profile	Low dust and low attrition	Low dust and efficient media usage
Substrate Effect	Minimal detrimental residual stress	Gentle cleaning while leaving primer intact

LiteBlast™ Detailed Technical Properties

Property	BB1	BB2
Chemical Nature	Inert	Inert
Appearance	Granular	Granular
Color	Multi-colored	Clear
Hardness	Barcol 34 – 42	Barcol 38 – 49
MOHS	3.0	3.0
Compressive Strength	600 – 13000 psi	600 – 13000 psi
Izod Impact (1/8" specimen)	0.2 – 0.4 ft lb/in	0.2 – 0.4 ft lb/in
Explosibility – Minimum Explosive	0.045 oz/ft³	0.045 oz/ft³
Chlorine Content	Trace	Trace
Ash Content	2.0% by wt	2.0% by wt
Iron Content	0.05% by wt	0.05% by wt
Specific Gravity	1.15 – 1.25 gm/cm³	1.15 – 1.25 gm/cm³
Extract Content	5% by wt	5% by wt
pH	4 – 8	4 – 8
Conductivity	100 mho/cm	100 mho/cm
H2O Absorption	2% by wt	2% by wt
Heavy Particulate	0.02% by wt	0.02% by wt
Light Particulate	1.0% by wt	1.0% by wt
Ignition Temperature	440°F	440°F

Recommended Uses

- Bonded aerospace panel cleaning
- Adhesive squeeze-out removal
- Primer-safe cleaning
- Sealant and elastomeric coating removal
- Selective surface preparation

Key Benefits

- Helps preserve protective coatings
- Low dust generation
- Low attrition / long useful life
- Controlled cleaning performance
- Suitable for difficult adhesive-removal tasks