

Technical Reference — Bulk Densities

■ Bulk Density

Medium	Density (g/cm ³)	Abrasion	Build-up
ABS Pellet	0.4-0.6		
ABS Powder	0.4-0.6		
ABS Resin	0.34-0.42		
Acrylate Resin	0.4-0.5		
Activated Carbon			
Alabaster	1.33-1.55		
Aluminum Hydroxide	0.22		
Aluminum Powder	1.26	Yes	
Aluminum Sulfate	0.97-1.23		
Ammonium Nitrate	1-1.16		
Ammonium Sulfate	0.64		
Asphalt Pellets	0.57-0.68		
Asphalt Powder	0.75-0.94		
Bauxite	1.07-1.45		
Bentonite	0.5-1.22	Yes	
Borax	0.92-1.04		
Calcite	1.41-1.89		
Calcium Carbonate (heavy)	0.5-1.28		
Calcium Carbonate (light)	0.2-0.5	Yes	
Carbon Black	0.25-0.49	Yes	
Cement	1.3-1.4	Yes	Yes
Charcoal	0.43		
Chinastone	1.15-1.34		
Clay	0.36-0.9	Yes	Yes
Clinker	1.3-1.9	Yes	
Coffee Grounds	0.22-0.66		
Coke	0.40-0.49		
Colcothar	0.55-1.21		
Common Ssalt	1.15-1.34		
Copper Powder	1.77-2.74		
Copper Sulfate	1.10-1.34		
Corn	0.7-0.8		
Corn Starch	0.2-0.69	Yes	
Detergent	0.31-0.38		
Diatomaceous Earth	0.1-0.29	Yes	Yes
Dolomite	0.74		
Epoxy Resin	0.63-0.82		
Ferrite	0.5-2.25		
Fire Extinguisher	0.95-1.55		
Fish Meal	0.45-0.66		
Flour	0.48-0.55		
Fluorspat	0.59-2.10		
Fly Ash	0.51-0.95	Yes	Yes
Glass Beads	1.50-1.55		
Glass Fiber	0.2-0.3		
Glaubers Salt	1.41-1.78		
Granulated Sugar	0.8-0.9		

Medium	Density (g/cm ³)	Abrasion	Build-up
Gypsum	0.7-1.55	Yes	Yes
Iron Ore	3.80		
Iron Oxide	0.4		
Iron Powder	2.21-3.60		
Lime Powder	0.43-0.72		
Limestone	1.36-1.57		
Magnesium Oxide	0.1-0.76	Yes	
Masterbatch	0.4-0.5	Yes	
Melamine	0.42-0.79		
Metal Cutting Chips	1.5-1.8	Yes	
Mica Powder	.58-0.81	Yes	
Milk Powder	0.31		
Mirabilite	1.4-1.5		
Nylon Resin	0.4-0.6		
Paste Resin	0.20-0.39		
PE Pellet	0.5-0.6		
Perlite	0.02-0.5	Yes	
Pesticide	0.5-1.0		
PET Resin	0.4-0.6		
Phenolic Resin	0.34-0.6		
Pigment	0.1-0.5	Yes	
Pitch	0.29-0.95		
Polycarbonate	0.5-0.6		
Polyester Resin	0.4-0.6		
Polyethylene Pellet	0.48-0.50		
Polypropylene Pellet	0.6		
Polystyrene Pellet	0.58		
Powdery Pulp	0.05-0.1		
PP Pellet	0.4-0.6		
PS Pellet	0.4-0.6		
PVC Pellet	0.5-0.6		
PVC Powder	0.4-0.76		
Quicklime	0.3-0.9	Yes	
Red Iron Oxide		Yes	
Rice Bran	0.2-0.76	Yes	
Rice Powder	0.47-0.91		
River Sand	1.45-1.65		
Rock Salt	1.20-1.30		
Rubbish	0.25-0.3		
Salt	0.55		
Sand	1.36-1.57		
Saw Dust	0.16-0.20		
Silica Sand	0.8-1.41	Yes	
Silicone Carbide	1.53-1.79		
Slag	0.96-1.0	Yes	
Slaked Lime	0.2-0.79	Yes	

Continued on next page

Note: If Density is less than 0.2, See VH series

■ Bulk Density (Cont. from previous page)

Medium	Density (g/cm ³)	Abrasion	Build-up
Soap	0.16		
Soda Ash	1.20-1.28	Yes	
Sodium Bicarbonate	0.87-1.05		
Sodium Hydroxide	1.15-1.36		
Soybean Powder	0.52-0.87		
Starch	0.2-0.3	Yes	
Sulfur Powder	0.58-0.97		
Sugar Powder	0.47-0.87		
Talc	0.27-0.48	Yes	Yes
Teflon Powder	0.15-0.68		
Tin	3.62-4.12		
Titanium Oxide	0.49-0.76		
Tungsten Carbide	7.54-8.95		
Tungsten Powder	0.05-2.0		
Urea	0.47-0.76		
Urea Resin Powder	0.42-0.74		
Vermiculite	0.05-0.065		
White Carbon	0.05-0.19		
Wheat Flour	0.3-0.5		
Wheat Grain	0.77		
Wood Chips	0.30-0.40		
Xerox Toner	0.49		
Yeast Powder	0.33-0.37		
Zinc Oxide	0.58-1.26		
Zinc Powder	2.98-3.62		
Zircon Sand	2.60-2.82		



For the Latest Information

Try Our Fax Back System at **1/916/431-6544**

On the Internet: www.stiautomationproducts.com E-mail: sales@stiautomationproducts.com

Scientific Technologies Inc.
Automation Products Group ... *Providing*
tailored solutions for measurement applications.

STI
Bulk Densities-2

Tel: 1/888/525-7300 • Fax: 1/435/753-7490
www.stiautomationproducts.com • E-mail: sales@stiautomationproducts.com



engineering