

Advanced Materials Technology

Extender and Functional Additives For Coatings



Glassfill

Glass-Fill is a functional additive that is composed of extremely fine amorphous silicate powder. It is chemically inert and contains **no crystalline silica**. Its controlled particle size gives this micronized functional additive performance enhanced properties in a wide range of paints, coatings, adhesives and plastics.

Glass-Fill can be used in solvent, water, or 100% solids coatings. It is not moisture sensitive because of zero moisture permeability; it enhances chemical resistance, and has improved wear and abrasion resistance.

Glass-Fill is manufactured from 100% post-consumer recycled materials recovered within the USA and contains no harmful, heavy metals. Glass-Fill also undergoes a pozzolanic reaction if used in cementitious substrates or coatings, providing additional strength.

At Advanced Materials Technology, we strive to be innovative but always sensitive to the environment. We are committed to providing the highest quality products and customer care.



Typical Physical Properties

	Glassfill 3	Glassfill 4	Glassfill 7	Glassfill 10	Test Method
Specific Gravity	2.46	2.46	2.46	2.46	ASTM D-153
Bulk Density lb/ft ³	50	45	43	35	ASTM C-110
d90	37.4 u	20.53 u	13.04 u	9.2 u	Beckman Coulter
d50	9.8 u	9.1 u	3.8 u	3.5 u	Beckman Coulter
Oil Absorption	22	23	27	28	ASTM D-281
PH	10.4	10.4	10.4	10.4	AFS 113-87S
Hardness	5.5	5.5	5.5	5.5	Moh Scale
Refractive Index	1.5	1.5	1.5	1.5	ASTM D-801
Moisture %	<.05	<.05	<.05	<.05	ASTM C-566
Brightness Y value	92—95	92—95	92—95	92—95	Photo Volt

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