

Raw Material Specification

C TYPE GLASS FLAKE product Code: GF750MC / RM 1101

Composition: Flaked glass (free from crystalline silica) Corrosion Resistant Glass Flake is manufactured from C glass (not recycled). Glassflakes CAS N. 65997-17-3

Description: White to off white odourless high aspect ratio platelets
Shelf life: 24 months under normal dry storage conditions. Apply general recommendations for exposure to dust

Compositional range

SiO ₂	=	64 – 70%
Al ₂ O ₃	=	0 - 5%
CaO	=	3 – 7%
MgO	=	1 – 4%
B ₂ O ₃	=	2 – 5%
Na ₂ O	=	9 – 12%
K ₂ O	=	0 – 3%
TiO ₂	=	0 – 3%
ZnO	=	0 – 5%

Glass composition may vary slightly from batch to batch

Properties	Limits		Method
Physical Form	High Aspect Ratio Platelets		Visual
Appearance	Translucent, White platelets		Visual
Flake Thickness	Av. 3-7 microns		SEM
Particle size diameter; % Vol. <20 microns	<2% vol.		Malvern, laserdiffraction
Particle size diameter; % Vol. >400 microns	≤Nil vol.		Malvern, laserdiffraction
Particle size diameter; D₅₀ range	110-130 microns		Malvern, laserdiffraction
	Lower limit	Upper limit	
Apparent Density (H ₂ O = 1)	27	52	GFL001
Tap Density (H ₂ O = 1)	0.5000	0.9000	GFL002
	Theoretical Values		
Real Density (H ₂ O = 1)	2.60		ASTM C729
Moisture content	0.025-0.1%		Internal Method

This information is given in good faith without guarantee or liability. All Values are approximate.