

Technical Data Sheet

V / 40 S Whiting (Calcium Carbonate)

Introduction:

V / 40 S Whiting (Calcium Carbonate) is a white, highly-fine powder. Its high purity and low content of contaminating metals make it suitable for a wide diversity of applications with freedom from rapid ageing and surface breakdown. Not recommended for use in acid resistant compounds.

Uses:

- Is suitable for use as a general filler in the compounding of rubber and PVC.
- Is also used in latex for carpet backing compounds and in coumarone indene resins for flooring compounds
- Suitable for use in other similar applications where a cheap, fine filler is required.

Typical Characteristics:

Composition				
		Substance	% by Weight	
		Calcium CaCO ₃	99.6	
		Aluminium Al ₂ O ₃	0.005	
		Silica SiO ₂	0.02	
		Magnesium MgCO ₃	0.33	
		Iron Fe ₂ O ₃	0.005	
Trace Elements		Cu	< 2.0 ppm	
		Cd	< 0.7 ppm	
		Zn	< 5.0 ppm	
		Pb	< 0.5 ppm	
		Cr	< 5.0 ppm	
		Mn	< 10 ppm	
		S	< 60 ppm	
		Acid insoluble	0.017%	
Properties				
		Description	Unit	Value
		Moisture	%	0.1
		Loss on ignition	%	43.85
		Bulk density	g/cm ³	0.8
		Tapped density	g/cm ³	1.18
		Density		2.71
		pH		9.4
		Absorption in DOP	g/100g	3
		Whiteness	L*	97.3
		Specific surface	m ² /g	1.47
Particle Size Distribution		< 40.0 µm	%	99.9
		< 30.0 µm	%	99.0
		< 12.0 µm	%	75.0
		< 5.0 µm	%	42.0
		< 2.0 µm	%	21.0
		< 1.0 µm	%	10.0
		Average particle size, d ₅₀	µm	6.0

Shelf Life:

Indefinite, but a maximum of 2 years is recommended.

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Packaging:

Multi-ply paper bags, containing 25 kilos, on 1,000 net wooden pallets, IBC's or in pressurised road tankers.

Health & Safety:

Detailed advice on the Health & Safety aspects of this product is given in the individual product Safety Data Sheet (SDS), available upon request.