



COMPREHENSIVE MINERALS GUIDE

For Rubber Applications

RUBBER APPLICATIONS

	VANSIL® WG Wollastonite	VANSIL W-40	VANSIL W-50	DIXIE CLAY® Clay	PAR® Clay	BILT-PLATES® 156 Clay	McNAMEE® Clay	PYRAX® ABB Pyrophyllite	PYRAX B
AUTOMOTIVE									
Tires				◇	◇	◇	◇		
Inner Tubes				◇	◇	◇	◇		
Gaskets/Seals	◇			◇	◇	◇	◇		
O-Rings				◇	◇	◇	◇		
Brake Pistons	◇			◇					
Splash Guards/Flaps				◇	◇	◇	◇		
OTHER TRANSPORTATION									
Aircraft				◇	◇	◇	◇	◇	◇
Recreational				◇	◇	◇	◇	◇	◇
Floats/Buoys				◇	◇	◇	◇		
Inner Tubes				◇	◇	◇	◇		
Railroad Crossing Pads	◇			◇	◇	◇	◇	◇	◇
Off-Road Tires/Accessories				◇	◇	◇	◇		
CONSTRUCTION									
Roofing, Related Membranes	◇			◇					
Mats/Pads				◇	◇	◇	◇	◇	◇
Expansion Joints	◇			◇	◇	◇	◇	◇	◇
Flooring	◇			◇	◇	◇	◇	◇	◇
Liners				◇	◇	◇	◇	◇	◇
Mallets				◇	◇	◇	◇	◇	◇
Stair Treads				◇	◇	◇	◇	◇	◇
Weatherstripping/Seals				◇	◇	◇	◇		
CONSUMER									
Footwear				◇	◇	◇	◇		
Appliance Parts				◇	◇	◇	◇		
Play & Sport				◇	◇	◇	◇		
Novelties				◇	◇	◇	◇		
Erasers				◇		◇			
GENERAL									
Adhesives/Sealants/Mastics	◇	◇	◇	◇	◇	◇	◇	◇	◇
Films		◇	◇						
Wire & Cable		◇	◇	◇	◇	◇	◇		
Aprons/Sleeves				◇	◇	◇	◇	◇	◇
Bearings/Bearing Pads				◇	◇	◇	◇	◇	◇
Battery Parts				◇	◇	◇	◇		
Bellows				◇	◇	◇	◇	◇	◇
Belts/Pulleys				◇	◇	◇	◇		
Bladders				◇	◇	◇	◇	◇	
Blankets/Covers	◇								
Cellular Goods				◇	◇	◇	◇		
Coated/ Dipped Goods						◇		◇	◇
Diaphragms				◇	◇	◇	◇		
Hose				◇	◇	◇	◇	◇	◇
Printing Rolls/Blankets				◇	◇	◇	◇	◇	◇
Rubber Bands				◇	◇	◇	◇		
Safety Items		◇		◇	◇	◇	◇	◇	◇
Stoppers				◇	◇	◇	◇	◇	◇

MINERALS GUIDE FOR RUBBER APPLICATIONS

Wollastonite

VANSIL® Wollastonite is a high brightness calcium silicate mineral used as a filler and reinforcing agent in thermoplastic and thermoset polymers. The high aspect ratio grades contribute to increased mechanical strength.

	Density		GE Brightness	Median Particle Size, μm	Oil Abs., %	Aspect Ratio
	g/cm ³	lb/gal				
Low Aspect Ratio Grades						
VANSIL® W-40 Wollastonite	2.90	24.2	93	7	31	<5:1
VANSIL W-50	2.90	24.2	93	5	33	<5:1
High Aspect Ratio Grades						
VANSIL WG	2.90	24.2	89	28	40	15:1
VANSIL HR-2000	2.90	24.2	89	17	46	12:1
VANSIL HR 1500	2.90	24.2	89	13	44	14:1

Kaolin Clay

Air-floated kaolin clays are excellent reinforcing agents for plastics, rubber and adhesives.

	Density		GE Brightness	Median Particle Size, μm	Oil Abs., %
	g/cm ³	lb/gal			
BILT-PLATES® 156 Clay	2.62	21.8	71	0.5	39
DIXIE CLAY® Clay	2.62	21.8	71	0.5	39
McNAMEE® Clay	2.60	21.6	75	2.5	33
PAR® Clay	2.62	21.8	71	0.5	39

Pyrophyllite

PYRAX® Pyrophyllite is an inexpensive reinforcing agent used in polymers.

	Density		GE Brightness	Median Particle Size, μm	Oil Abs., %
	g/cm ³	lb/gal			
PYRAX® ABB Pyrophyllite	2.80	23.3	79	19	30
PYRAX B	2.80	23.3	82	18	32

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For sample requests, sales specifications, and Safety Data Sheets, please visit our website at www.vanderbiltchemicals.com

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