



R. T. Vanderbilt Company, Inc.
INDUSTRIAL MINERALS AND CHEMICALS

Minerals Guide for **Plastics Applications**

Kaolin Clay

Pyrophyllite

Wollastonite

Plastics Applications

	VANSIL® HR-325 Wollastonite	VANSIL HR-1500	VANSIL HR-2000	VANSIL WG	VANSIL W-20	VANSIL W-30	VANSIL W-40	VANSIL W-50	DIXIE CLAY® Filler	BILT-PLATES® 156 Clay	McNAMEE® Clay
THERMOPLASTICS											
Automotive:											
Exterior Parts	√	√	√				√	√			
Interior Parts/ Instrument Panels	√	√	√				√	√			
Door Handles, Trim Pieces		√									
Exterior Lamp, Mirror Housings		√	√								
Wheel Covers											
Under-the-Hood											
Electrical Components									√	√	√
Recreational Vehicle Parts											
Construction:											
Roofing Membranes		√	√	√					√		
Window, Door Frames			√				√				
Wood-Plastic Composites	√	√	√								
Farm Equipment Components		√	√								
Consumer:											
Furniture/Appliances		√					√		√	√	
Power Tool Housings											
Lawn Care Equipment Parts		√	√				√				
Communications Equipment									√	√	
Other:											
Masterbatch							√				
Food Containers	√						√				
THERMOSETS											
Automotive:											
Exterior Parts											
Electrical Components											
Brake Friction/Piston Parts			√	√							
Truck Bed Liner		√									
Body Repair Mastics											
Construction:											
Roofing Panels			√	√							
Flooring			√	√							
Countertops					√						
Tub, Shower Surrounds				√							
Commercial Furniture											
Potting Compounds					√						
Consumer:											
Packaging Film	√										
Power Tool Housing		√	√								
Computer Housing, Parts		√	√								
Communications Equipment							√	√	√	√	
Sports Equipment		√	√	√							
Other:											
Recreational Transportation		√	√	√							
Gel Coats							√	√			
SMC, BMC Compounds		√	√	√					√	√	√
Miscellaneous Cast Urethanes				√							

Minerals Guide for Plastics Applications

Wollastonite

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

	Density		GE Brightness	Median Particle Size, μm	Oil Abs., %	Aspect Ratio
	g/cm ³	lb/gal				
<i>Low Aspect Ratio Grades</i>						
VANSIL® W-40 Wollastonite	2.90	24.2	87	6	26	<5:1
VANSIL W-50	2.90	24.2	87	3	30	<5:1
<i>High Aspect Ratio Grades</i>						
VANSIL WG	2.90	24.2	89	20	40	15:1
VANSIL HR-2000	2.90	24.2	89	14	44	14:1
VANSIL HR 1500	2.90	24.2	89	9	44	14:1
VANSIL HR-325	2.90	24.2	89	2	40	12:1

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	75	0.2	41
DIXIE CLAY® Filler	2.60	21.6	70	0.2	41
McNAMEE® Clay	2.62	21.8	75	1.2	35

Pyrophyllite

PYRAX® Pyrophyllite is an inexpensive reinforcing agent used in resins, including vinyl and polypropylene.

	Density		GE Brightness	Median Particle Size, μm	Oil Abs., %
	g/cm ³	lb/gal			
PYRAX® B Pyrophyllite	2.80	23.3	78	10.0	26
PYRAX WA	2.80	23.3	78	14.0	24
PYRAX ABB	2.80	23.3	65	11.0	24



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Please contact us for further information on the Vanderbilt products described in this folder.
Samples and Technical Data Sheets are available on request.

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