

Champion[®]

Description:

Champion is a high quality, air float, sedimentary, hard, kaolin clay. Strict attention to production and quality control assures a high degree of product uniformity.

Hard Clays are very fine in their natural particle size. This limits how much hard clay can be incorporated into a rubber compound. Typical loading levels range from 20 to 150 phr. Hard clay provides high modules, tensile strength, abrasion resistance, green strength and provides stiffness to elasometric compounds.

Typical Physical Properties:

• Specific Gravity (g/cc)	2.6
• Moisture, Maximum % as produced	1.0
• 325 Mesh Screen Residue, Maximum %	0.25
• G.E. Brightness	77.0
• Median Particle Diameter, (um)	0.3
• Oil Absorption, g/100g clay	38
• pH (10% DI Water)	5.0
• Appearance	Light Cream Powder

Typical Chemical Analysis:

• SiO ₂	45.10%
• Al ₂ O ₃	37.70%
• Fe ₂ O ₃	1.40%
• TiO ₂	1.90%
• CaO	0.06%
• MgO	0.06%
• K ₂ O	0.05%
• Na ₂ O	0.03%
• LOI	13.7%

Typical Particle Size:

% Finer Than:	
• 20 µm	99%
• 10 µm	98%
• 5 µm	96%
• 2 µm	92%
• 1 µm	87%
• 0.5 µm	76%

Data presented above are the result of tests made according to generally accepted test procedures and are representative of typical production. Active Minerals International, LLC offers this data in good faith and makes no warranty or representation regarding the accuracy of this data or the use of this product. The user is solely responsible for the use of this product.

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