

CERCRON® talc

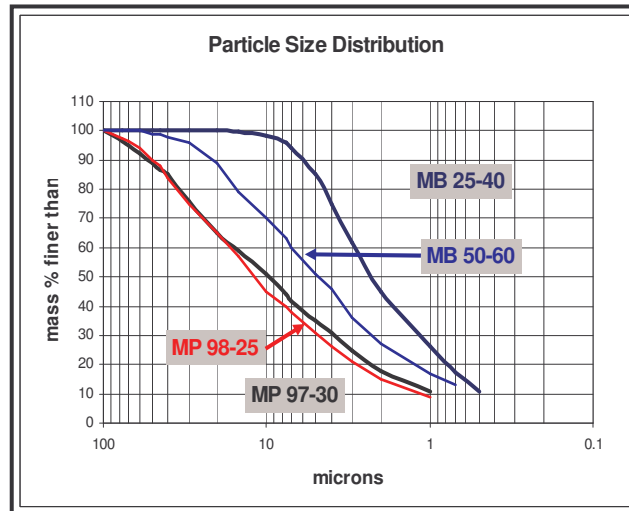
Ceramic Grade Talcs

Specialty Minerals Inc. (SMI) CERCRON® ceramic grade talc products are produced by Barretts Minerals Inc., from an extensive deposit of high quality Montana talc ore. SMI's CERCRON® talc (Magnesium Silicate) products are designed for use in steatite, cordierite and other talc containing ceramic bodies where talc is used as a source of Magnesium and low Calcium levels are required. The balance of chemical purity (low levels of Calcium, Aluminum and Iron) and particle size distribution will determine the optimal product to best match the shrinkage and fired brightness requirements of pressed and extruded ceramic formulations.

Four products are available with median particle sizes ranging from 2.3 to 12.0 microns and tapped bulk density from 37 to 58 lbs. per cubic ft. All products have the same chemical composition.

Typical Properties	CERCRON® Ceramic Grade Talcs			
	MB 25-40	MB 50-60	MP 98-25	MP 97-30
Median Particle Size (microns)	2.4	5.5	12.0	9.5
Retention, 200 Mesh, %	-	-	2.7	3.5
Retention, 325 Mesh, %	-	1.0	-	-
Dry Brightness (Hunter Y, Ad Value)	87	86	85	84
Bulk Density (pounds/ft' (grams/cc)	13 0.20	23 0.37	26 0.42	27 0.43
Tap Density (pounds/ft' (grams/cc)	37 0.59	48 0.77	50 0.80	58 0.93
pH	8.8	8.8	8.8	8.8
Specific Gravity	2.8	2.8	2.8	2.8

Chemical Composition (typical)		
Silicon Dioxide	SiO ₂	61%
Magnesium Oxide	MgO	31%
Calcium Oxide	CaO	<0.5%
Aluminum Oxide	Al ₂ O ₃	1%
Iron As	Fe ₂ O ₃	<1.3%
Loss on Ignition	L.O.I.	5.5%
Moisture (% weight loss @ 110° C)	H ₂ O	<0.5%



All products are sold on the understanding that the user is solely responsible for determining their suitability for the intended use. All information given and recommendations made herein are based upon our research and are believed to be accurate, but no guarantee, either expressed or implied, is made with respect thereto or with respect to the infringement of any patent. SMI MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH ANY SALE OF THE PRODUCTS DESCRIBED HEREIN. Inconsistent terms and conditions contained in Buyer's purchase order shall not be binding on SMI/BMI unless reflected in writing signed by SMI/BMI's representative. This information is not to be copied, used in evidence, released for publication or public distribution without written permission from Specialty Minerals Inc./Barretts Minerals Inc.

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