

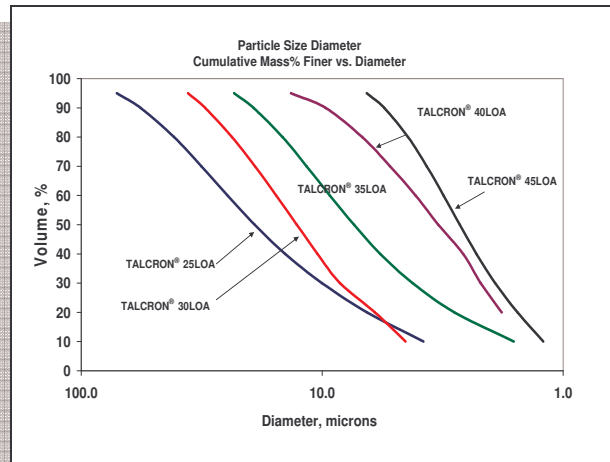
TALCRON[®] LOA talc Paint Grade

Specialty Minerals Inc. (SMI) TALCRON[®] LOA talc products are produced by Barretts Minerals Inc., from an extensive deposit of high quality Montana talc ore. SMI's TALCRON[®] LOA talc (Magnesium Silicate) products are especially designed with low oil absorption for improved performance in solvent and polymeric industrial primers and topcoats. The chemically inert nature of the talc surface improves the weatherability of talc containing coatings. The specially designed particle size distribution allows for easy incorporation into organic systems. The TALCRON[®] LOA talc products maintain the rheological properties (anti-sag, leveling, and brushability/sprayability) and functional properties (gloss and sheen control) that make the TALCRON[®] talc products well known in the coatings industry. Additionally, due to the softness of talc, wear on processing equipment is reduced.

This versatile line of high brightness, platy talc product is available in a full range of particle sizes to satisfy the requirements of the coatings formulator.

Typical Properties	TALCRON [®] LOA Paint Grade Talcs				
	25 LOA	30 LOA	35 LOA	40 LOA	45 LOA
Median Particle Size (microns)	13	8	7	3.3	2.5
Hegman Fineness (minimum)	0	0	4	5.25	6
Retention, 325 Mesh, %	18	5	---	---	---
Dry Brightness (Hunter Y, Rd Value)	84.5	86	86	87.5	88
Oil Absorption	22	26	30	35	38
Bulk Density (pounds/ft ³)	48.0	40	31	22	20
(grams/cc)	0.77	0.6	0.49	0.35	0.32
Tap Density (pounds/ft ³)	76	66	49	34	29
(grams/cc)	1.22	1.06	0.8	0.55	0.47
pH	8.8	8.8	8.8	8.8	8.8
Specific Gravity	2.8	2.8	2.8	2.8	2.8
Bulking Value (Wt/solid gal. (lbs.))	23.3	23.3	23.3	23.3	23.3
NYTAL [®] Offset Product	NYTAL [®] 200		NYTAL [®] 300	NYTAL [®] 400	NYTAL [®] 6600

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	H ₂ O	<0.5%
(% weight loss @ 110° C)		



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