Darwin Chemical Company
600 N Pine Island Road
Plantation FL 33324-1311

Minex 7

Nepheline Syenite (Functional Fillers and extenders)

Catalog Nr. Q604

Definition Minex functional fillers and extenders are produced from nepheline syenite; a naturally occurring, silica deficient, sodium-potassium alumina silicate. Automated scanning electron microscopy confirms that minex contains less than one-tenth of one percent crystalline silica. No free crystalline silica is detectable in the mineral complex.

CAS Number 37244-96-5

Application Minex fillers are proven performance enhancers in a broad range of paints, coatings, adhesives, sealants, and inks. Excellent brightness, tint retention, and weatherability can be achieved in exterior paints. Improved color, sheen uniformity, chemical and stain resistance, and durability result when minex is used in interior paint formulations. Minex is easily dispersed in all conventional vehicle systems, and low oil absorption permits high loadings in adhesives, sealants, and aquaeous and alkyd based paints.

Technical Data

Properties	Microns	Minex 7
% Finer	106u	---
	75u	---
	45u	100.0
	20u	99.3
	16u	98.2
	10u	88.1
	5u	50.5
Hegman Value	ASTM D1210-79	5.8
Median Particle Size	Sedigraph	3.5
Specific Surface Area	Fischer Sub Sieve	1.2
Brightness	Tappi	89.2
Moisture %	ASTM C-566	.11
Oill Absorption	ASTM D-281	31.0
pH	ASTM 113-87-S	10.2
Weight per solid Gal	21.7 lbs	ASTM D-153
Bulking Value	0.0459	ASTM C-29
Refractive Index	1.55	ASTM D-801
Specific Resistance	3000 ohm-cm	ASTM D-2448
Hardness	6.0 Mohs	Moh's Scale

Packaging & Handling 50 lbs bags, 50 bags per pallet

UN Number	Class	Packaging Group

Remarks Non Hazardous Chemical

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