

Product Data Sheet

Mistron[®] Vapor R

Description and applications

Mistron[®] Vapor R is high purity, platy, very fine talc, which provides optimum balance of reinforcement and processability in rubber applications due to its unique microcrystalline structure and engineered particle size distribution. Mistron[®] Vapor R is available in powder, densified, and compacted forms to accommodate various raw materials handling requirements.

Mistron[®] Vapor R improves processability, mechanical properties, and permeability resistance of rubber compounds. It is used to reduce viscosity, reduce nerve, increase extrusion rate and quality plus improve dispersion of carbon black and precipitated silica. Mistron[®] Vapor R reinforces rubber compounds and improves tensile properties, fatigue, toughness, and durability. The platy structure of Mistron[®] Vapor R significantly enhances barrier properties.

Typical properties

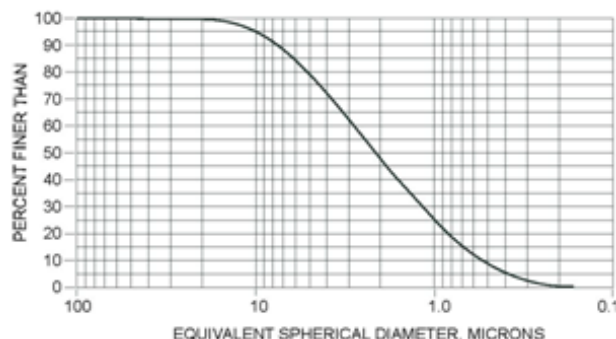
Hegman Fineness of Grind (minimum, on ½ inch narrow bar)	5.5
Brightness, GEB	86
Brightness, Hunter L.....	93.5
Surface Area, m ² /g.....	13.4
Specific Gravity	2.8
Average Moisture, wt%.....	<0.5
Loose Bulk Density, lbs/ft ³	8
Tapped Bulk Density, lbs/ft ³	
• Powder	18
• Densified.....	30
• Compacted	55

Mineral analysis (by X-Ray Diffraction)

Talc, %.....	>98
Dolomite, Magnesite, Chlorite %.....	<2

Particle size distribution (by Sedigraph)

Median Diameter: 2.2 microns



Micrograph (by Scanning Electron Microscopy)



Notice: Although the data listed are typical, they are not production specifications. The supplier provides the data in good faith as typical of normal production, however it makes no warranty or representation of any kind, express or implied, regarding the information given or product described including any warranty of suitability for a particular purpose.

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