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## MINERAL FILLERS -ADDITIONAL FILLERS-

### ZEOLEX®

#### DESCRIPTION:

Zeolex is a precipitated, synthetic sodium aluminosilicate and the first synthetic non-black filler. These silicates are semi-reinforcing fillers utilized in all types of elastomeric compounds to provide a broad range of elastomeric properties at a reasonable cost. They are available as powders with a range of surface areas from 75 to 115 m<sup>2</sup>/gm. (BET).

#### TYPICAL PROPERTIES:

	<b>Zeolex 23</b>	<b>Zeolex 80</b>
Average Particle Size (µm)	6.0	6.0
pH	10.0	7.0
Surface Area (m <sup>2</sup> /gm. BET)	75	115
Specific Gravity	2.10	2.10
Sieve Residue, 325 Mesh, %	0.10	0.10
Sodium Sulfate, %	2.50	2.50
Moisture, 2 hrs./105°C	2.00	5.00
Oil Absorption, Linseed cc/100gr.	117	120

#### APPLICATIONS:

Many compounds consider Zeolex products as the “go between” filler amid low structure silicas and hard clays. Zeolex products fill this gap nicely acting as semi-reinforcing filler with moderate abrasion resistance and good processing properties at a reasonable cost. Low surface area grades are well accepted in the production of extruded goods where surface smoothness is required such as: hoses, gaskets and flooring materials. The higher surface area grades have more reinforcing capability and have replaced precipitated silica in many rubber applications by improving cost, processing and hysteric properties. Other typical applications include: footwear, belts, rollers, wire and cable, sponge, tires, molded parts and calendered goods. In addition, the high whiteness of Zeolex is ideal for non-black or color rubber articles. Typical loading range is from a low of 10 phr to high of 150 phr.

*® Zeolex is a registered trade name of J.M. Huber, Engineered Materials Sector*

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