



## MINERAL FILLERS -ADDITIONAL-

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### MANSIL® ZX LPH

#### DESCRIPTION:

Mansil® ZX LPH is a precipitated, synthetic sodium aluminum silicate. ZX LPH is a semi-reinforcing filler for use in all types of elastomeric compounds to provide a broad range of properties. Mansil® ZX LPH exhibits excellent process features for extruded and molded articles.

#### TYPICAL PROPERTIES:

<i>Mansil ZX LPH</i>	<i>Typical Range</i>
Average particle size, $\mu$	9.0 max
pH	6.0-8.0
Surface area (BET), m <sup>2</sup> /gm.	40-120
Specific Gravity	1.95-2.20
Moisture (2 hrs. @ 105°C), %	5.0 max
Oil Absorption (Linseed), cc/100 gms.	120-140
Sieve Residue (325 mesh), %	0.10 max
Sodium Sulfate, %	2.50

#### APPLICATIONS:

Mansil® ZX LPH offers unique processing characteristics for finished articles as a mid-range filler. Mansil® ZX LPH serves as a semi-reinforcing filler with moderate abrasion resistance and good processing properties at a suitable price point. Mansil® ZX LPH works well in the production of extruded goods, where surface smoothness is required. In addition, the high whiteness value of Mansil® ZX LPH is ideal for non-black articles. The typical dosage range is from 10 to 150 phr. The ability of Mansil® ZX LPH to absorb large quantities of process oils, cause it to be the product of choice for highly extended EPDM compounds. This characteristic causes Mansil® ZX LPH to serve as an essential formulating asset in the polymer chemist's tool belt. In addition, Mansil® ZX LPH is typically paired in concert with many of the other commonly utilized extender materials.

*Mansil® ZX LPH is a registered trade name of GMGBC*

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