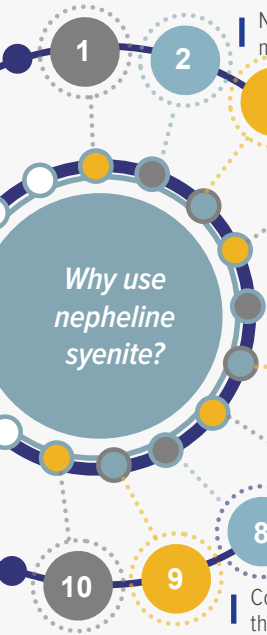
Nepheline syenite vs. calcium carbonate

HiFiLL® N

Functional Mineral for Plastics and Elastomers



No reportable free crystalline silica

2. No need to be surface treated before using, mineral is non-hydroscopic

3. Wets out easily in polymer matrix

4. Faster through-put

5. Doesn't interfere with color, so lower pigments loading levels can be achieved while still maintaining the same color strength, thus saving money

6. Helps with dispersion/color extension

7. Better performance
- scratch and mar resistance

8. Superior weathering

9. Cost savings - can reduce amount of UV stabilizers, therefore saving money

Less interference with other additives (i.e. AO, UV stabilizers, slip, etc)

What is nepheline syenite?

A unique all-natural sodium-potassium silicate mineral HIFILL® N additives are available in ultrafine, precisely controlled particle size distributions for optimum performance.

HIFILL® N allows for formulation and processing cost reduction while not adversely impacting the products' physical properties and durability.

What loadings?

Start with replacing $CaCO_3$ -1:1

Any physical performance decline?

NO - Nepheline Syenite behaves basically the same as CaCo3, as far as mold shrinkage, melt index, tensile, impack, HDT, flexural modulus etc.

For more information about HIFILL N or Nepheline Syenite, please call: 800.243.9004 or email: Sales@CoviaCorp.com.

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