

NYACOL NYAGRAPH 35 DATA SHEET

NYACOL® NYAGRAPH 35

Expandable Graphite Flame Retardant

Nyacol NYAGRAPH 35 is an intumescent flame retardant that offers the following advantages:

· Halogen-free Low smoke Non-dripping Reduced heat release

· Lower in toxic gases Insulating

NYAGRAPH 35 is a natural material based on processed graphite ore.

The ore is treated with sulfuric acid in what is called an intercalation process.

The material is washed and neutralized to prevent corrosion of metal parts when processed by the user.

Excessive shear should be avoided.

NYAGRAPH 35 may be used in polyurethanes, sealants, bitumens, rubbers, adhesives, coatings, and polymers.

NYAGRAPH 35 may also be used in conjunction with other flame retardants to provide improved flame-retardant and smoke-suppressant properties to a material.

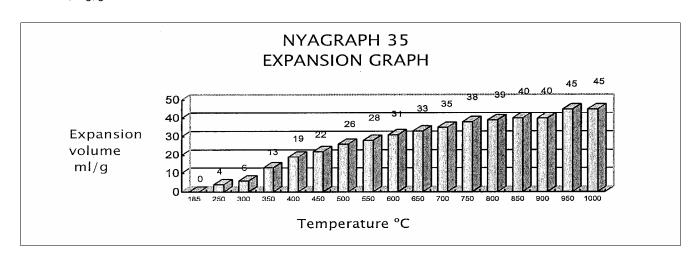
TYPICAL PROPERTIES

Particle Size, % 100 mesh: Min. 80 Soft black particles Appearance:

pH: 6 - 8 Onset Temperature, °C: 180 - 200Expansion Volume, cm³/g: ≥ 35 Moisture, %: 0.2 - 1.0Purity, %: ≥ 95.0 1.9 - 2.1Specific Gravity, g/cm³: Bulk Density, g/cm³: 0.45 - 0.6Free Acid, mg/g NaOH: Max. 0.5

TYPICAL PARTICLE SIZE DISTRIBUTION, %

Over 300µm	0
300µm - 180µm	1-5
180µm - 150µm	9 - 15
150µm - 75µm	35 - 50
75µm - 45µm	20 - 25
< 45µm	15 – 25



FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER

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