

NYACOL NYAGRAPH 249 DATA SHEET

TYPICAL PARTICLE SIZE DISTRIBUTION, %

NYACOL® NYAGRAPH 249 Expandable Graphite Flame Retardant

Nyacol NYAGRAPH 249 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 249 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.

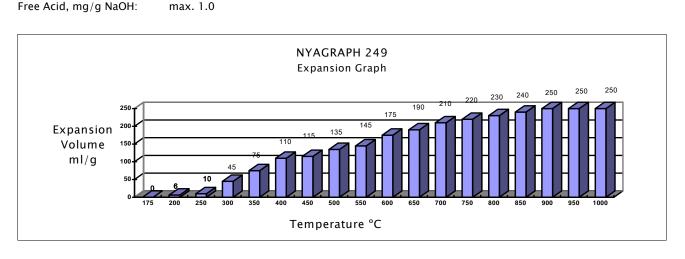
NYAGRAPH 249 may be used in polyurethanes, sealants, bitumens, rubbers, adhesives, coatings, and polymers.

NYAGRAPH 249 may also be used in conjunction with other flame retardants to provide improved flame-retardant and smoke-suppressant properties to a material.

TYPICAL PROPERTIES

Bulk Density, g/cm3:

Particle Size, mm: min. 80% > 0.3Over 840µm 0.2 0.7 Appearance: Soft black particles 840µm - 710µm pH: 6 - 7 710µm - 630µm 0.9 170 - 190 630µm - 500µm 14.2 Onset Temperature, °C: Expansion Volume, cm³/g: ≥ 230 500µm - 425µm 1 Moisture, %: max. 1.0 425µm - 355µm 50 Purity, %: min. 95 355µm - 300µm 13 2.1 - 2.3Specific Gravity, g/cm³:



FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER

0.5 - 0.7 max. 1.0

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