



## DATA SHEET NYACOL NYACHAR

### NYACOL® NYACHAR Non-Halogen Flame Retardant

Nyacol NyaChar is an intumescent flame retardant which offers the following advantages:

- Halogen-free
- Low smoke
- Non-dripping
- Reduced heat release
- Lower in toxic gases
- Insulating

NyaChar may be used in polyurethanes, sealants, bitumens, rubbers, adhesives, coatings, and polymers. NyaChar may also be used in conjunction with other flame retardants to provide improved flame-retardant and smoke-suppressant properties to a material.

NyaChar usage levels will depend on the application and FR test requirements. Consult Nyacol Technical Service for starting point suggestions.

#### TYPICAL PROPERTIES

	<u>NyaChar 1</u>	<u>NyaChar 2</u>	<u>NyaChar 3</u>
Particle Size, microns:	25	7	7
Appearance:	White Powder	White Powder	White Powder
pH:	8 – 9	8 – 9	8 – 9
Onset Temperature, °C:	200 – 220	200 – 220	300
Expansion Volume @ 600°C:	240 ml/g	260 ml/g	320 ml/g
Moisture, %:	< 4	< 4	< 4

#### FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER

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