TECHNICAL DATA SHEET

Hycar® NH3069

Non-halogen Flame Retardant Acrylic

Lubrizol

PERFORMANCE COATINGS

PRODUCT DESCRIPTION

Hycar® NH3069 is a self-crosslinking non-halogen polymer designed for flame retardant applications. Hycar® NH3069 imparts flame retardancy to cellulosics without the use of additives or halogenated materials. Hycar® NH3069 can be used with paper, cotton, rayon and glass media to impart mechanical performance as well as flame resistance.

FEATURES/BENEFITS

- Media treated with Hycar® NH3069 will pass DIN 53438 (parts 2 & 3), NFPA 701 vertical and MVSS302 horizontal burn testing
- Excellent water durability. Hycar® NH3069 treated media passes water extraction test TAPPI T 461
- Suggested use level is 30-35% dry polymer content in a cellulose sheet
- Excellent thermal stability while processing, provides strength and stiffness
- Saturated paper exhibits superior hot aging performance vs phosphate salts and chlorinated polymers
- Ease of handling – eliminates mixing of additives & inventory of chemicals
- May eliminate need to add external crosslinkers
- Provides lower pressure drop in filtration applications vs particulate additives added to non-FR polymers

PHYSICAL CHARACTERISTICS*

Appearance	Opaque cream emulsion
Total Solids by Weight, %	34-37 %
pH	4.0-5.5
Glass Transition Temperature (Tg)	40°C
Viscosity, Brookfield, 25°C, cps	100 cps
Volatiles	Water
Density, g/ml	1.14
Mechanical Stability	Pass

*Property values represent typical results only and are not to be considered specifications.

RECOMMENDED RE-TEST DATE/STORAGE

6 months in standard conditions

REGULATORY STATUS

Please contact your Lubrizol Advanced Materials sales representative or Customer Service at Lubrizol Advanced Materials at +44 (0)161 721 6800 for current regulatory status.

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www.lubrizolcoatings.com