



# Technical Data Sheet

## Apcoflex<sup>®</sup> N5

High ACN, High Viscosity Hot Polymerized Nitrile Rubber

### CHEMICAL DESCRIPTION

Apcoflex<sup>®</sup> N5 is a hot polymerized, high ACN containing acrylonitrile butadiene co-polymer.

It contains slightly staining antioxidant.

CAS No: 9003-18-3

### APPLICATIONS

Apcoflex<sup>®</sup> N5 is designed to have high strength and high oil resistance because of its high Mooney viscosity and high acrylonitrile content. The polymer has low nerve and hence has good extrusion and calendaring properties. The polymer as such and in form of blends with other compatible elastomers is suited for production of hoses, tubes, covers and belts.

The co-polymer has high MEK solubility and is specifically recommended for use in cements, adhesives, grouts, spreading applications such as printing blankets and friction material such as brake lining etc

### TYPICAL PROPERTIES

|                                |      |
|--------------------------------|------|
| Bound Acrylonitrile, %         | 40   |
| Mooney Viscosity, ML1+4(100°C) | 87   |
| Ash, %                         | 0.32 |
| Volatiles, %                   | 0.36 |
| Specific gravity               | 0.99 |

### SAFETY AND HANDLING

Apcoflex<sup>®</sup> N5 may contain traces of residual monomers, which may be released during processing at high temperatures. Therefore adequate ventilation should be employed in the processing areas

### PACKAGING AND SHELF-LIFE

These bales are wrapped in plastic films and packed in woven sacks.

Approx. Dimensions (in): 28x14x5.5 (when packed) for 25 kg

28x14x7.0 (when packed) for 35 kg

Weight, kg 25 OR 35 kg net (when packed)

Recommended to store in original packaging, away from direct sources of heat and sunlight. These bales will have a minimum of 24 months shelf-life under good storage practices.

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apcotex industries limited

Email  : info@apcotex.com

Web  : www.apcotex.com

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