

# Apcoflex<sup>®</sup> N5

High ACN, Very High Viscosity Hot  
Polymerized Nitrile Rubber

TECHNICAL DATA SHEET



## 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 very 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.

## PRODUCT SPECIFICATIONS

| CHARACTERISTICS                                    | LIMITS   |
|--|----------|
| Volatile Matter,%                                  | 0.7 Max  |
| Mooney Viscosity, ML <sub>1+4</sub><br>@ 100°C, MU | 80 - 95  |
| Ash Content,%                                      | 0.75 Max |
| Bound Acrylonitrile, %                             | 38 - 42  |
| Solubility, %                                      | 80 - 98  |
| Cement Viscosity, cps                              | 2100 Max |

## 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 LDPE films and packed in woven sacks.

Appx. Dimensions (in):  
28x14x7.0 (when packed) for 35 kg.

Weight, 35 kg net (when packed)

Recommended to store in original packaging, away from direct sources of heat and sunlight. These bales will have a maximum 24 months shelf-life from the date of manufacture when stored at temperature not exceeding 35°C

For further information, call + 91 22277 70800

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**Apcotex Industries Limited**  
info@apcotex.com  
www.apcotex.com

**Plant 1**  
Taloja – Plot No.3/1, MIDC  
Industrial Area, Taloja-410208

**Plant 2**  
Valia - Village Dungri,  
Taluka-Valia, Ankleshwar-393135

**Disclaimer :** These suggestions and data are based on the information that we believe to be reliable. They are given for the information only and in good faith, but conditions and methods of use of our product are beyond our control. Apcotex recommends that the user determine the suitability of our material and suggestions before using them for a commercial scale.