

## **Technical Data Sheet**

| MATERIAL:            | Acrylonitrile/butadiene copolymer   |   |
|----------------------|---|---|
| CATALOG NUMBER:      | 530   |   |
| CAS NUMBER:          | 9003-18-3   |   |
| DESCRIPTION:         | Random copolymer of acrylonitrile and butadiene   |   |
| FORMULA:             | $(C_4H_6)_x(C_3H_3N)_y$   |   |
| TYPICAL PROPERTIES:  | Appearance:<br>Acrylonitrile content:<br>Density:<br>Mooney viscosity:<br>Solubility:   | Crumbs<br>51%<br>1.00 (25°C)<br>55 (100°C)<br>Partially in MEK, THF |
| GENERAL INFORMATION: | Prepared by the emulsion copolymerization of acrylonitrile and<br>butadiene. Acrylonitrile-butadiene rubbers can be compounded and<br>processed in much the same manner as natural rubber; they may be<br>vulcanized with either conventional sulphur systems or peroxides.<br>Acrylonitrile-butadiene rubbers are highly resistant toward non-polar<br>solvents such as fuels and oil. They find applications as gaskets, fuel<br>hoses, oil seals, o-rings, adhesives and in blends with thermosetting<br>resins. |   |
| STRUCTURE:           | r )r .  | 1   |

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