

STRUCTURE:

Technical Data Sheet

| MATERIAL: | Acrylonitrile/butadiene copolymer | |
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| CATALOG NUMBER: | 557 | |
| CAS NUMBER: | 9003-18-3 | |
| DESCRIPTION: | Random copolymer of acrylonitrile and butadiene | |
| FORMULA: | $(C_4H_6)_x(C_3H_3N)_y$ | |
| TYPICAL PROPERTIES: | Appearance: Acrylonitrile content: Density: Mooney viscosity: Solubility: | Slab 33% 0.98 (25°C) 95 (100°C) Partially in MEK, THF, toluene |
| GENERAL INFORMATION: | Prepared by the emulsion copolymerization of acrylonitrile and butadiene. Acrylonitrile-butadiene rubbers can be compounded and processed in much the same manner as natural rubber; they may be vulcanized with either conventional sulphur systems or peroxides. Acrylonitrile-butadiene rubbers are highly resistant toward non-polar solvents such as fuels and oil. They find applications as gaskets, fuel hoses, oil seals, o-rings, adhesives and in blends with thermosetting resins. | |

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