



## Technical Data Sheet

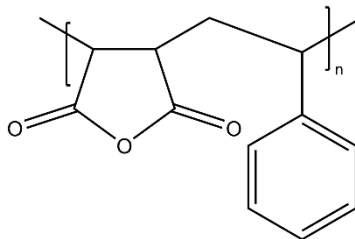
|                        |   |
|------------------------|---|
| <b>MATERIAL:</b>       | Styrene/maleic anhydride copolymer                    |
| <b>CATALOG NUMBER:</b> | 457   |
| <b>CAS NUMBER:</b>     | 9011-13-6   |
| <b>DESCRIPTION:</b>    | Alternating copolymer of styrene and maleic anhydride |
| <b>FORMULA:</b>        | $(C_8H_8)_m(C_4H_2O_3)_n$                             |

### TYPICAL PROPERTIES:

|                          |                                       |
|--------------------------|---------------------------------------|
| Appearance:              | Powder                                |
| Styrene content (molar): | 67%                                   |
| Approx Mw:               | 7,000                                 |
| Density:                 | 1.19                                  |
| Acid number:             | 350                                   |
| Melting point:           | 150°C                                 |
| Solubility:              | Acetone, dioxane, DMF, MEK, MIBK, THF |

**GENERAL INFORMATION:** Prepared by the free radical polymerization of styrene and maleic anhydride. This product is an anhydride containing styrene copolymer. The anhydride groups may be reacted in either aqueous or organic systems to produce new and interesting compounds. Application areas include emulsifying agents, adhesion promoters, pigment dispersers, anti-blocking agents and viscosity enhancers.

### STRUCTURE:



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