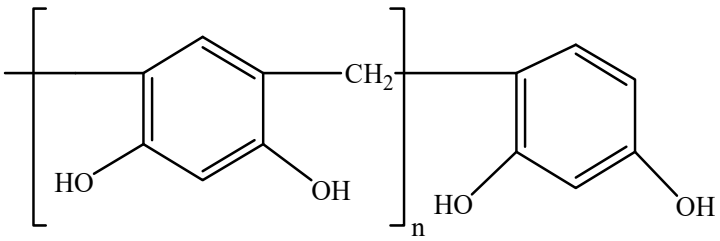
Adhesive Resin AN2102-2 Technical Bulletin

1 Introduction

AN2102-2 is a resorcinol-formaldehyde resin, which is a methylene acceptor in resorcinol-formaldehyde-silica adhesion system. It is used in combination with a methylene donor to effectively bond the rubber to various framework materials. This product contains no free formaldehyde and with less than 15% free resorcinol, it will reduce fuming and weight loss during compounding compared to using resorcinol monomer.



2 Specification

Items	Index	Test Methods
Appearance	Dark red brown Pastilles	Q ZJHS 04155-2020 4.2
Softening Point（℃）	99～114	Q ZJHS 04155-2020 4.3
Weight Loss（105℃，2h），%	≤0.7	Q ZJHS 04155-2020 4.4
Free Resorcinol（%）	12～15	Q ZJHS 04155-2020 4.5
pH Value（50% alcohol solution）	4～6	Q ZJHS 04155-2020 4.6

3 Application

（1）. AN2102-2 can be used as an adhesion promoter synthetic fabric or plated wire structural components in rubber for tires, conveyer belt, drive belt, damping rubber, anti-vibration rubber and industrial component, etc.

（2）. AN2102-2 is used as methylene acceptor in resorcinol-formaldehyde-silica adhesion system or resorcinol-formaldehyde-silica-cobalt adhesion system. It is used with a methylene donor such as hexa-methylenetetramine (HMTA) or hexamethoxymethylmelamine (HMMM).

（3）. The recommended ratio of AN2102-2 to Methylene donor is 60:40. The typical amount of AN2102-2 and a methylene donor in the compounding system is approximately 1-3 parts of each component.

4 Packaging and Storage

（1）. AN2102-2 is packed in paper lined with polyethylene plastic bag or plastic bag and has a net weight of 25 kg per bag.

（2）. Store in a cool and dry warehouse to avoid moisture absorption and agglomeration.

（3）. The product has a shelf life of 12 months from the date of manufacture. Our Quality department will recertify lots for six month extended shelf life.