



ISOBOND R SERIES

R 50, R 50 N, R 70 N, R 75 N

Resorcinol-Formaldehyde Pre-Condensates

ISOBOND R series are aqueous solutions of resorcinol formaldehyde condensation products for use in resorcinol-formaldehyde-latex (RFL) dip formulations for the treatment of organic fibres such as polyester, nylon, rayon, or aramid.

They are used in place of resorcinol in RFL dip formulations without the need to age the resin solution as is required when using resorcinol.

Isobond R 50 is a resol type resin, Isobond R 50 N, R 70 N, and R 75 N are novolak type resins which are thermally stable, contain no free formaldehyde, and will not polymerize during storage.

Chemical Name

Aqueous solution of formaldehyde-resorcinol condensate CAS register number	24969-11-7
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Typical Properties

Property	R 50	R 50 N	R 70 N	R 75 N
Colour	dark brown	orange-red	orange-red	orange-red
Solids	51 +/-2 %	50 +/-1 %	70 +/-1 %	75 +/-1 %
pH	5.0 +/- 0.5	1.6 +/- 0.5	1.1 +/- 0.6	1.0 +/- 0.5
Viscosity @ 25°C in cps	50 +/- 30	60 +/- 50	500 +/- 300	1500 +/- 500
Free resorcinol content max.	10 %	10 %	14 %	15 %

Application

ISOBOND R resins are resorcinol-formaldehyde condensation products used as rubber to fabric adhesion promoters in the treatment of tire cord and reinforcing fabric for conveyor belts. It is used in dipping compound for rayon, nylon, polyester, and aramid.

Handling and Storage, Packaging

The processing and use of ISOBOND R resins requires adequate technical and professional knowledge. Please consult safety data sheet and observe local safety regulations.

The legal requirements prevailing in your country, especially in the avoidance of accidents, working hygiene and patent rights must be observed.

ISOBOND R resins have to be stored in tightly sealed original containers in a cool and dry place. The optimum storage temperature is between 20°C and 35°C. Properly stored it is stable for minimum 6 months.

Standard pack size of ISOBOND R resins are 200 kg in a PVC or metal drum; other packaging is available on request.

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The above information is based on our experience to date and is intended for your advice. It does not constitute a guarantee for individual applications because the application and handling in each case lie beyond our control. If damage or injury occurs as a result of an application for which we are proven liable, or maximum liability will be limited to the value of the products supplied by us and used by you. Claims for compensation based on the provisions of the Product Liability Law are not affected by the liability exclusion insofar as they are based solely on this law and are made by third parties.

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