

Production of Phenolic Resins (Phenol Formaldehyde Resin, Resin Production, Fillers for Phenolic Resin Moulding Powders, Fillers and Resins, Molded Phenolic Resins, Laminated Phenolic Resins, Modified and Thermal-Resistant Resins)

Description:

Phenolic resins are a group of the most versatile polymers yet invented. Although they came into existence at the very start of the age of polymers, they continued to be developed into more and more applications.

The global phenolic resin market by product type and application type, has witnessed a significant growth in the past few years and this growth is estimated to persist in the coming years. The resol type phenolic resins constitute majority of the market globally. Phenol and formaldehyde are the main consumed raw material for the phenolic resin.

Wood adhesive application of phenolic resins is expected to drive the phenolic resin market. One of the key factors contributing to this market growth is that phenolic resins make excellent wood adhesives for plywood and particleboard because they form chemical bonds with the phenol-like lignin component of wood. They are especially desirable for exterior plywood, owing to their good moisture resistance. Phenolic resins are usually produced in batches. This permits a wide range of formulations and molecular weights to be manufactured using the same equipment. Continuous processes have been developed that are suitable for producing a large quantity of a single grade.

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