

# SP-1077

## Description

SP-1077 is a thermoplastic, modified alkylphenol resin developed as a tackifier for synthetic and natural elastomers. It is typically used to increase tack in natural rubber and synthetic elastomers, including SBR, BR, IIR, IR and EPDM.

## General Product Data

### Product Specifications:

Softening Point (Ball & Ring), (°C)	92-101
Acid Number	25-42

Test Methods available upon request

### Typical Properties:

Specific Gravity	1.04
Physical Form	Flake

### Solubility:

SP-1077 is soluble in aromatic and chlorinated hydrocarbons, ketones, esters and higher alcohols.

## Application

SP-1077 develops high tack levels in rubber compounds which are used in the construction of tires and mechanical goods. It has been found that adequate tack levels can be achieved using lower levels of SP-1077 than is possible with conventional alkylphenolic tackifiers.

In addition, SP-1077 provides tack in difficult to tackify compounds, such as those incorporating EPDM as part of their elastomer content.

## Storage And Shelf Life

SP-1077 should be stored where temperatures do not exceed 86 °F (30 °C) for long periods of time. For best results, it is recommended that this product be used within 1 year of manufacture date. As with all phenolic resins, SP-1077 will become darker with age. Pallets should never be stored double stacked.

**Note:** Resins of this type are known to agglomerate or sinter during storage. This condition does not affect the performance of the resin in its normal application and is not considered justification for rejection or return.

## Packaging

SP-1077 is packaged in lined Kraft bags and polyethylene bags. Standard weight is either 50 pounds or 25 kilograms.

## Safety And Regulatory Information

For a current Safety Data Sheet (SDS) or other regulatory information, contact SI Group Inc. at [productinfo@siigroup.com](mailto:productinfo@siigroup.com)