

SP-1056

Description

SP-1056 is a heat-reactive, brominated octylphenol-formaldehyde resin that contains methylol groups.

General Product Data

Product Specifications:

Melting Point, Capillary, (°F)	140-158
Softening Point, B&R, (°C)	80-90
Methylol Content, (%)	9.00-11.00
Bromine, (%)	6.0-7.5

Test Methods available upon request

Typical Properties:

Specific Gravity	1.05
Physical Form	Flake

Solubility:

SP-1056 is soluble in aromatic, aliphatic, ketones and naphthas.

Application

SP-1056 may be used with butyl rubber or other unsaturated elastomers with or without functionality. The presence of functionality allows for a faster cure. SP-1056 is unique in that it does not require a halogen donor. The use of brominated resins in compounding is especially effective when the rubber may be exposed to heat or repeated use. The rubber will not deteriorate as quickly as rubber crosslinked with other curing agents. SP-1056 exhibits good processing properties and offers an adequate scorch safety margin in a wide processing range. The flaked form allows for easy handling. SP-1056 has a faint halogen odor, and normal handling precautions should be followed.

Rubbers compounded with SP-1056 exhibit exceptional scorch safety, high temperature stability, and excellent dynamic properties. SP-1056 has a faster cure than SP-1055, due to a higher bromine content.

Brominated heat-reactive phenolic resins are also used to partially crosslink elastomers to create pressure-sensitive adhesives. This gives the pressure-sensitive adhesive improved cohesive strength while imparting little color to the finished adhesive, thus allowing for clearer film formation.

Storage And Shelf Life

SP-1056 should be stored where temperatures do not exceed 77 °F (25 °C) and moisture is not excessive for long periods of time. For best results, it is recommended that this product be used within 6 months of manufacture date. If the resin is stored and transported under the cool conditions close to 50 °F (10 °C), with the avoidance of the excessive moisture, the usage of the material can be considered for up to 9 months. As with all phenolic resins, SP-1056 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

The standard packaging for SP-1056 is multi-wall paper bags at 25 kilograms (55.1 pounds) net weight.

Safety And Regulatory Information

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