

SP-1068

Description

SP-1068 is a thermoplastic resin made from octylphenol and formaldehyde. It is typically used to increase tack in natural rubber and synthetic elastomers, including SBR, BR, IIR and IR.

General Product Data

Product Specifications:

SR. NO.	PROPERTY	UNITS	SPECIFICATION
1	Appearance		White / Yellow to amber Pastilles/Flakes
2	Softening point B&R	°C	85 – 95
3	Acid value	Mg KOH/g	25 – 42
4	pH Value		4.5 – 6.5
5	Ash content	%	0.1 max
6	Acetone insoluble	%	0.3 max
7	Specific gravity @ 25°C		1.000 – 1.060
8	Bubble time travelled by Gardner Holt tube (64% in toluene) at 25°C	Sec	1.4 – 3.8
9	Ferric chloride test		Negative (yellow)
10	Heat loss (@105°C for 2hrs)	%	0.3 max

Typical Properties

DESCRIPTION	SPECIFICATION
Physical State	Solid
Solubility in Water	Not very Soluble (<1%)
Melting Point	70° C (158° F)
Flash Point (Tag Closed CUP)	140° C (285° F)

Solubility

SP-1068 is soluble in aromatic and chlorinated hydrocarbons, ketones, esters and higher alcohols.

Application

SP-1068 can be used as a stock additive to impart tack and used wherever tenacious bonds are necessary, especially with synthetic rubbers, which do not possess the inherent tack necessary for plied-up construction. Tire building, for example, plies, tread stock, and sidewalls must hold fast to the green tire until it is vulcanized or cured into an integral unit. For this application SP-1068 is typically used at 3-8 phr level.

Storage and Shelf Life

SP-1068 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-1068 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

25kgs net weight in paper bags.

Safety And Regulatory Information

Kindly refer to standard MSDS of SI Group-India Private Ltd.