

PT SIDDHARTA MANDIRI INDONESIA

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SL-1801 TACKIFYING RESIN

DESCRIPTION SL-1801 is a thermoplastic p-t-octyl phenol-formaldehyde resin.

CHARACTERISTICS

Property	Specification	Test Method
Appearance	white to yellowish pastille	visual
Softening Point, Ring&Ball, °C	85 - 105	WI-QC-102
Acid number, mg KOH/g	25-50	WI-QC-111
Ashes, 550±25 °C, %	0.2max	WI-QC-103
Methylol content, %	1.0max	WI-QC-109
Free formaldehyde, %	0.1max	WI-QC-114

TYPICAL PROPERTIES

- 1) **SL-1801** is a thermoplastic novolac resin with excellent properties of enhancing tackiness of rubbers. This resin can be used in all kinds of rubber articles requiring high tack in between green rubber plies, especially in synthetic rubbers. For example, in the production of tires, rubber compounds containing larger proportion of synthetic rubber should require high tack to avoid the plies separation and formation of bubbles during the building of green tire. **SL-1801** can provide good tack in this building process.
- 2) **SL-1801** has a good compatibility with all kinds of synthetic rubbers as well as processing oils. Therefore, it is suitable for tire building and other rubber articles which need good tack between plies.
- 3) **SL-1801** is a solvent-soluble resin. This product is supplied in the form of pastilles without dust generation and therefore, much favored in the automatic weighing system. This resin can be easily mixed into rubber compounds and no contamination to equipment and workplace can be expected.
- 4) The recommended dosage of **SL-1801** should be 3-8phr.

PACKAGING 25kg(net weight), kraft bag inner PE coated or PE bag.

STORAGE This material can be stable for 18 months under the normal storage conditions. However, precautions must be taken to avoid exposure to sunlight and always, store this material in a sealed container under the dry and cool conditions.

OCCUPATIONAL SAFETY AND HEALTH INFORMATION

Refer to the Material Safety Data Sheet prior to using this resin.