SP-560

Description

SP-560 is a thermoplastic rosin-phenolic resin. This material is mainly used as a bio-based tackifier in adhesive formulations for hot melts, polychloroprene contact cements and other solution adhesives, pressure sensitive adhesives, etc. It imparts to adhesives a possibility to bond successfully over a wide variety of substrates (polar and non-polar). SP-560 improves the adhesiveness through improved surface wetting, high tackiness, high heat performance, and peel resistance

General Product Data

Product Specifications:

Softening Point, Ball & Ring, (°C)	140-160
Acid Number, mg KOH/g	50-70
Color, Gardner, 60% in Toluene	0-12
Viscosity, Gardner-Holdt, 60% in Toluene, (cps)	D-F

Test Methods available upon request

Typical Properties:

Specific Gravity	1.10
Physical Form	Flake

Solubility:

SP-560 is soluble in aliphatic and aromatic hydrocarbons, ketones, esters, oils.

Application

SP-560 resin lowers the viscosity, increases open time, improves the surface wettability on different substrates, provides strong green tack in polychloroprene adhesives. This resin is suitable for color sensitive applications.
When used in hot melts it will provide very stable operating viscosity even at high temperatures, and due to narrow molecular range and high softening point it will provide fast adhesive setting with the high level of bond strength.
SP-560 is also successfully used as a tackifier and processing aid in rubber compounding. It is compatible with a wide variety of oils, waxes, and rubbers. Due to high bio-based content and its non-hazardous nature, SP-560 is especially suitable for rubber articles for indoor use and any other rubber goods with the increased concern over EHS impact and product sustainability.

Storage and Shelf Life

SP-560 should be stored where temperatures do not exceed 95 ºF (35 °C) for long periods of time. For best results, it is recommended that this product be used within 2 years of manufacture date. As with all phenol derivative containing materials, SP-560 will become somewhat darker as it ages. 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.

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Packaging

The standard packaging for SP-560 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 sds.info@siigroup.com.