HRJ-4047

Description

HRJ-4047 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:

Softening Point, Ball & Ring, (°C)	92-101
Acid Number	26-42

Test Methods available upon request

Typical Properties:

Specific Gravity	1.04
Physical Form	Pellet

Solubility:
HRJ-4047 is soluble in aromatic and chlorinated hydrocarbons, ketones, esters and higher alcohols.

Application

HRJ-4047 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. In 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 HRJ-4047 is typically used at 3-8 phr level.

Storage And Shelf Life

HRJ-4047 should be stored where temperatures do not exceed 86 ºF (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, HRJ-4047 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

HRJ-4047 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.

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