Foreverest Resources Ltd

Rosin Modified Phenolic Resin

MP2116, MP5103, MP2101

Rosin Modified Phenolic Resin is the vacuum treated product of esterification of glycerol (or pentaerythritol) with the polycondensate of rosin, phenol (or bisphenol A) and formaldehyde. It is soluble in tar, ester, turpentine oil and similar solvents. Insoluble in alcoholic solvents, partially soluble in petroleum products, mix well with vegetable oils, high softening point, fast drying. Rosin Modified Phenolic Resin can be used for phenolic resin paints (through polymerization with vegetable oils under heat), texture printing inks, the low-cost enhancer in bonding capability for pressure-sensitive adhesive, hot-melt adhesive and other bonding agents.

Substance Identification

Synonyms	Low-Cost Rosin Modified Phenolic Resin for Adhesive and Ink

CAS	N/A
EINECS	N/A
FEMA	N/A
HS.CODE	380690
Molecular Formula	N/A
Moleclar Weight	N/A

Application & Uses

1. RMPR can be used for paints. The paints have benefits of fast-drying, high in hardness and shininess;
2. used as the low-cost enhancer in bonding capability for pressure-sensitive adhesive, hot-melt adhesive, and other bonding agents;
3. used as the enhancer in reflectiveness and texture of printing ink

Features & Benefits

- It dissolves in tar, ester, gum turpentine and similar solvents, partly in petroleum products but not in alcohol solvents.
- It melts and mixes well with vegetable oils and features a high softening point, good hardness, fast drying and high gloss.

Sales Specification

ITEM	VALUE	TEST METHOD & UNIT
Acid Value	12 to 18	mgKOH/g
Color	13 max	@Fe-Co
Normal Heptane	1 to 3	ml/25C-2g
Softening Point	151 to 168	@R&B, °C
Viscosity, resin:linseed oil=1:2	3000 to 5000	@25°C, mpa.s

ITEM	VALUE	TEST METHOD & UNIT
Acid Value	25 max	mgKOH/g
Color	13 max	@Fe-Co
Normal Heptane	2 to 5	ml/25C-2g
Softening Point	160 to 170	@R&B, °C
Viscosity, resin:linseed oil=1:2	7000 to 12000	@25°C, mpa.s

ITEM	VALUE	TEST METHOD & UNIT
Acid Value	25 max	mgKOH/g
Color	13 max	@Fe-Co

ITEM	VALUE	TEST METHOD & UNIT
Normal Heptane	4 to 7	ml/25C-2g
Softening Point	166 to 175	@R&B, °C
Viscosity, resin:linseed oil=1:2	4000 to 6000	@25°C, mpa.s

Package

- Paper-plastic compound Bag, 25kg
- Paper-plastic compound Bag, 500kg

GHS Hazard Statements

No GHS data available

Storage

- avoid contact with light
- keep separated from incompatible substances
- store and handle in accordance with all current regulations and standards
- store in a cool, dry place
- store in a tightly closed container

Relation Products

- Alkyl Phenolic Resin
- Reactive Alkyl Phenolic Resin
- Terpene Phenolic Resin

Relation Articles

- Renewably sourced phenolic resins from lignin bio-oil
- Bio-Based Solutions for Coatings
- Progress on the patents about the modifications of gum rosin and their applications
- Role of Resin in Printing Ink
- Choosing the Correct Soldering Flux Types and Their Advantages/Disadvantages

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Remark

The above information is believed to be accurate and presents the best explanation currently available to us. We assume no liability resulting from above content. The technical standards are formulated and revised by customers' requirement and us, if there are any changes, the latest specification will be executed and confirmed in the contract.

Manage consent