

# Phenolic Resin RT1101

Thermoplastic alkylphenolic tackifying resin for natural and synthetic rubber compound development.

|                      |                                           |                                  |
|----------------------|-------------------------------------------|----------------------------------|
| CAS No.<br>9003-35-4 | EC / List No.<br>500-005-2 (resin family) | Transport<br>Non-dangerous goods |
|----------------------|-------------------------------------------|----------------------------------|

## Product Information

Thermoplastic alkylphenolic tackifying resin for natural and synthetic rubber compound development.

## Specifications

| Parameter                  | Specification                    |
|----------------------------|----------------------------------|
| Appearance                 | Light-yellow to yellow pastilles |
| Softening point            | 92–102 °C                        |
| Ash                        | ≤0.5 %                           |
| Acid value                 | 30–45 mg KOH/g                   |
| Loss on heating            | ≤1.0 %                           |
| Recommended trial addition | 4–8 phr                          |

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

## Typical Properties

| Property             | Typical Value |
|----------------------|---------------|
| Softening Point      | 92–102°C      |
| Recommended Addition | 4–8 phr       |

## Applications

Tire belt and sidewall compounds: Tackifier for selected tire belt and sidewall rubber compounds.

Transmission belts and industrial rubber: Resin for qualified transmission-belt and industrial-rubber compound development.

Natural and synthetic rubber blends: Evaluate in NR, BR, SBR, EPDM and IIR blends, typically at 4–8 phr during trials.

## Packaging / Storage

| Item     | Information                                                                                                                                                                                                                                                         |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packing  | 25 kg or 40 kg lined kraft bags                                                                                                                                                                                                                                     |
| Storage  | Keep lined bags closed in a cool, dry, well-ventilated warehouse. Protect from moisture, direct sunlight and heat; segregate from strong oxidizers, acids and bases.                                                                                                |
| Handling | Provide local exhaust at dust-generating points and control static and ignition sources. Wear gloves, goggles and suitable protective clothing. Avoid resin dust and contact with hot molten resin; select respiratory protection through the workplace assessment. |

## Company Contact

|                   |                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------|
| Supplier          | Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)                                                   |
| Shanghai office   | Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China |
| Telephone / Email | +86-21-54265599 / sales@zxchem.com.cn                                                         |
| Website           | www.zxchem.com                                                                                |