



SOVEREIGN CHEMICAL COMPANY

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Elaztobond® T6000 Flake

Manufacturer: SI Group

Classification: Modified phenolformaldehyde novolak tackifying resin developed as a replacement for Koresin (Trade Mark of BASF Corporation).

Chemical Composition: p-t-octylphenol formaldehyde polymer

Physical Data

Specification Properties	Value	Test Method
Softening point, Ring & Ball	115-125°C	03660
Typical Properties		
Physical Form	Flakes	Visual
Color	Light Yellow	Visual
Acid Number	58 – 70	Typical

SI Group test methods are available upon request.

Application

Uses: Elaztobond® T6000 is a high performance tackifying resin with a Ring & Ball Softening of 115-125°C. It provides outstanding tack to green compounds based on synthetic or natural rubber when compared with standard octy-phenol formaldehyde resins. T6000 is best for initial tack and aged tack even after several days of storage under adverse temperature and humidity conditions. T6000 will outperform products costing considerably more. It is recommended for use in race tires, tread cements, splice cements, belts, and hoses.

Recommended Dosage: Use 2 to 10 phr in SBR, BR, NBR and CR. With EPM or EPDM, a level of 5 to 10 phr is recommended.

Performance Highlights:

- High Initial Tack
- Better Scorch Protection
- Outstanding Tack retention in hot and humid conditions

TEST PERFORMANCE	Elaztobond®T6000	Koresin
Mooney Scorch	24.42 minutes	23.29
Tc95	6.98 min.	6.85 min
Hardness, Shore A	61	61
Zwick rebound	55.2	56
Tensile Strength	3380 psi	3313 psi
Tack – 3day	29.76	12.39

This data was generated by testing the two resins in the same compound at the same level. Compound information available on request.

Packaging and Storage

Packaging: 25 Kg or 50 lbs. net in lined Kraft bags and polyethylene bags. Pallets should never be stored double stacked.

Shelf Life: 1 year from date of manufacture if stored as indicated below.

Storage: Store in original packaging in cool, dry storage area where temperatures do not exceed 100°F.

Specification Date: August 1, 2005