



SOVEREIGN CHEMICAL COMPANY

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Elaztobond™ A150 (Formerly HRJ-14701)

Manufacturer: SI Group
Classification: Phenolic resin
Chemical Composition: Modified Phenol-Formaldehyde Resin

Physical Data

Specification Properties	Value	Test Method
Softening Point	100 – 108 °C	T06M02.01 Ball & Ring
Typical Properties		
Specific Gravity	1.15 – 1.25	Typical
Residual Phenol	less than 3.0%	Typical

Applications

Use: Elaztobond™ A150 is a modified phenol formaldehyde resin that has been developed as a replacement resorcinol – formaldehyde polymers (similar to Schenectady's SRF 1501 for use in rubber processing applications.)

Resin Crosslinking: Requires methylene donors for crosslinking.

Performance Highlights

- Excellent wire adhesion properties
- High scorch protection without significant loss in cure rate
- Physical property profile equal to or better than competitive resin
- Physical properties have better retention of hardness and ductility on ageing
- Improved rubber-to-rubber adhesion
- Contains less than 0.1% free resorcinol

TEST PERFORMANCE*	ELAZTOBOND™ A150	SRF-1501
Mooney Viscosity ML (1+4) 100 °C	64	64
Ts1, minutes	3.5	3.2
Tc90, minutes	24.5	23.1
Hardness, Shore A	78	75
Tensile Strength, psi	3490	3500
Wire adhesion, ambient, lbs.	159	149
Wire adhesion, aged, lbs.	152	149
Demattia Flex, kilocycles	20	20

*Data generated by testing the two resins in the same compound at the same level. Compound information available on request.

Packaging and Storage

Packaging: Elastobond™ A150 is supplied in lined kraft bags and polyethylene bags. Standard weight is either 50 pounds or 25 kilo bags.

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

Storage: The product should be stored where temperatures do not exceed 100° F for extended periods of time.

Specification Date: June 2, 2005 (Supersedes May 27, 2005)