



**POLYCOAT  
PRODUCTS**

A Division of American Polymers Corp.

## TECHNICAL DATA SHEET POLYELASTO RUBBER BINDER 9109

### Product Description

Polyelasto Rubber Binder 9109 is a 100% solids, aromatic isocyanate, single component, moisture cure binder manufactured for the production of molded product using granulated SBR, TPV, and/or EPDM rubber.

### Features

- Solvent Free
- Long Pot Life
- Single Component
- Resilient
- Cold Temperature Flexibility
- Hydrolytic Stability
- Good Freeze-Thaw Flexibility
- Excellent Binding Characteristics
- MDI Based – Does Not Contain TDI

### Color

Clear

### Packaging

5 gallon pail

55 gallon drum, net fill 50 gallons

250 gallon tote

### Recommended Process Conditions

Depending on the application, Polyelasto Rubber Binder 9109 can be cured by moisture from the addition of water or steam. Curing can be accelerated with use of appropriate catalyst.

### Equipment Cleanup

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

### Technical Data (Based on Draw Down Film)

**Specific Gravity** 1.08 ± 0.2

**Viscosity** 2000 ± 500 cps

**Total Solids by Weight, ASTM D2369** 100%

**Total Solids by Volume, ASTM D2697** 100%

**Tear Resistance, Die C ASTM D624** 200 ± 25 pli  
35.0 ± 4.4 kN/m

**Tensile Strength, ASTM D412** 3500 ± 500 psi  
24 ± 3.45 MPa

**Ultimate Elongation, ASTM D412** 200 ± 50%

Note: Above physicals are from lab drawn films.

### Storage

Polyelasto Rubber Binder 9109 is supplied in pails, drums or totes. Once a container has been opened, care should be taken to exclude moisture. The most favorable temperature for storage is 25-35°C. If stored at higher temperatures, or if moisture is not excluded, an undesirable increase in viscosity will occur.

### Warning

This product contains Isocyanates.

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