



GENFLO® 3650

Carboxylated styrene butadiene latex for high temperature saturation applications

GenFlo 3650 carboxylated styrene butadiene latex is designed for high temperature saturation applications. The retention of the tensile and elongation values after exposure to high temperatures can be particularly valuable. This product offers acrylic-like performance in a styrene butadiene copolymer.

Recommended uses of **GenFlo 3650** latex include saturation of crepe or flat-back tape products such as automotive masking tapes where the tape is exposed to high temperatures during the paint baking cycle.

GenFlo 3650 is compatible with **Secoat** and **SunCryl** release coatings.

GENFLO 3650 ADVANTAGE

- Compatible with OMNOVA release coatings
- Formulated for high temperature tape applications
- 80% MD Tensile retention after 2.5 hours at 170°C
- Excellent runnability

TYPICAL PROPERTIES

PHYSICAL PROPERTIES

Type	Styrene butadiene latex
Solids	48-51%
pH	8.5
Solids	50%
Brookfield Viscosity	<300 cps (RVF #2 spindle at 60 rpm, 25°C)
Surface Tension	37 dyn/cm
Glass Transition Temperature	-28°C
Residue	0.005%

CHEMICAL/MECHANICAL PROPERTIES

Mechanical Stability	Excellent
Shelf Life	6 months
Foam	Low
Odor	Low
Ionic Character	Anionic

GenFlo 3650 latex properties (i.e., solvent resistance, strength, hydrophobicity, hydrophilicity, hand, tack, etc.) can be altered to meet specific performance requirements through compounding. Contact your OMNOVA Performance Chemicals representative for information on specific applications or needs.



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HIGH TEMPERATURE EXPOSURE OF SATURATED BASE SHEET

GenFlo 3650	Initial	30 min at 150°C	2.5 hours at 150°C	2.5 hours at 170°C	2.5 hours at 180°C
MD Tensile Strength* (lbs/inch)	20.6	21.2	20.0	16.4	12.8
MD tensile Strength* (N/cm)	36.1	37.1	35.0	28.7	22.4
MD Tensile Retention		100%	97%	80%	62%

Standard Styrene Butadiene Saturant	Initial	30 min at 150°C	2.5 hours at 150°C	2.5 hours at 170°C	2.5 hours at 180°C
MD Tensile Strength* (lbs/inch)	20.0	19.0	17.1	11.0	8.2
MD tensile Strength* (N/cm)	35.0	33.3	29.9	19.3	14.4
MD Tensile Retention		95%	85%	55%	41%

*Tensile strength of saturated paper

STORAGE, HANDLING AND PACKAGING

This product is available in a rail car, tank truck, 2200 lb. tote or 465 lb. plastic drum.

Protect product from freezing. Recommended storage temperature is 70°F (22°C). When stored as recommended, the shelfstability of the product is six months. Stir and mix well before using.

As with all chemicals, please read the material safety data sheet (MSDS) prior to use. An MSDS for each OMNOVA product is provided with the shipment and periodically thereafter. An MSDS also may be obtained at any time by contacting your Customer Service Representative or by calling (888)253-5454.

To learn more about this product, or any other of OMNOVA Solutions' specialty chemicals, please contact us at:

Phone: (803)385-5181 • Email: pccustserv@omnova.com



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OUR COMMITMENT TO SUSTAINABILITY

NOTE: Although the data supplied above is believed to be accurate, each user is advised to make an independent determination as to whether the described product(s) is/are appropriate for a particular use or application, whether such use will comply with all applicable laws or regulations, or whether such use will infringe the intellectual property rights of third parties.