



CHEMICAL

# PRODUCT DATA SHEET

## PLIOGUM® 1027K1 Elastomer

### CHEMICAL DESCRIPTION

PLIOGUM® 1027K1 is a ground crumb version of PLIOGUM® 1027, butadiene-styrene copolymer manufactured in accordance with food-additive requirements (FDA Regulation 172.615, Chewing Gum Base). PLIOGUM® 1027 is ground through a 5/8" screen, then blended with approximately 5.6% high purity, ultrafine talc, food grade, as a partitioning agent to prevent the crumb from agglomerating.

All specification limits except for partitioning agent content apply to the base polymer before grinding.

### APPLICATIONS

PLIOGUM® 1027K1 is widely used in chewing gum base and bubble gum base applications. It is most suitable for gum with a regular or soft chew.

It is also used in other food contact applications, such as food can sealant. It is a highly branched polymer capable of handling high filler loading.

### TYPICAL PROPERTIES

PLIOGUM® 1027K1	
Residual Styrene, ppm (CODEX @ 20 ppm max)	<= 20
Volatile matter, %	<= 1.5
BHT analysis, %	0.375 +/- 0.125
Bound styrene, % of RHC	24.0 +/- 2.0
Organic acid, %	5.40 +/- 0.8
Mooney Viscosity, ML1+4 @ 100°C	52

### PACKAGING

- J Box corrugated cardboard boxes contain 28 x 70-lb. boxes per pallet.
- Box Dimensions: 48" L x 48" W x 84" H.
- Weight: Gross: 2185 lb, Net: 1960 lb.

### STORAGE, HANDLING & TOXICITY

- This product should be stored in its original packaging in a dry atmosphere away from heat and ultraviolet light.
- As a guideline, PLIOGUM® 1027K1 should be re-tested every 18 months following the date of manufacture. The most appropriate test would be Mooney.
- Goodyear test methods are available upon request.

### Goodyear Chemical

2000 Goodyear Drive  
Houston, TX 77017 – USA  
1-800-548-8107

[www.goodyearchemical.com](http://www.goodyearchemical.com)

WARRANTY: Unless sold without warranty, this product is warranted to conform to Goodyear's applicable specifications in effect at the date of shipment. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. NO OTHER WARRANTY OF ANY KIND WHATSOEVER, EITHER ORAL OR WRITTEN, INCLUDING IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHER WARRANTY OF QUALITY IS EITHER EXPRESSED OR IMPLIED FOR THIS PRODUCT. GOODYEAR SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES, EVEN IF GOODYEAR HAS BEEN NOTIFIED OF THE POTENTIAL OF SUCH A LOSS OR CLAIM OR FOR ANY AMOUNT IN EXCESS OF THE APPLICABLE PURCHASE PRICE. This warranty is null and void should the product be subject to abuse, modification, misused or mishandled.

®Trademark, The Goodyear Tire & Rubber Company

Revised 12/19/13