



# PRODUCT DATA SHEET

## PLIOGUM® 1027K1 Elastomer

### CHEMICAL DESCRIPTION

PLIOGUM® 1027K1 is a ground crumb version of PLIOGUM® 1027, a food grade Kosher and Halal copolymer manufactured in accordance with Good Manufacturing Practices by subjecting PLIOGUM® 1027 to grinding through a 5/8" screen, then blended with high purity, ultrafine talc, food grade, as a partitioning agent. PLIOGUM 1027K1 meets all applicable requirements of the U.S. Food and Drug Administration, the Food Chemicals Codex, and regulations governing chewing gum base components established in Italy, France, Germany, Spain, and other countries.

All specification limits except for the 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 chewing 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 (FOOD CHEMICALS CODEX @ 30 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 +/- 5

### 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: 2134 lb, Net: 1960 lb.

### STORAGE & HANDLING

- This product should be stored in its original packaging in a dry atmosphere away from heat and ultraviolet light.
- As a guideline, this product should be re-tested every 18 months following the date of manufacture. The most appropriate test would be Mooney.

### 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 3/1/19