



## KALAR® 5277

KALAR® 5277 is a partially cross-linked butyl rubber compound pelletized for easy handling. KALAR® products feature all the performance attributes expected of butyl rubber.

KALAR® 5277 is amber in color and is among the tightest cross-linked butyl rubber of the KALAR® products. It is designed as the starting point for applications that require the maximum resistance to creep and slump.

Technology / Base	Cross-linked Butyl
Type of Product	Elastomer
Appearance / Color	Amber
Consistency	Rubber Pellet

### Features and Benefits

KALAR® 5277 contains no filler and its tenacity is due to the degree of cross-linking; not reinforcing fillers. This feature permits the compounder the widest formulating latitude.

Other key performance benefits include:

- Elimination of butyl rubber pre-mastication
- Pellets may be metered to facilitate mixing
- Requires no vulcanization
- Readily acceptable in a wide range of solvents
- Extends with high levels of fillers and plasticizers
- Compatible with a wide choice of compounding ingredients
- Creep and cold-flow resistance
- Compounding economy

### Recommended For

KALAR® 5277 contains no monomeric materials that often impart an objectionable odor and potential instability under elevated temperature. Although widely used in the sealant industry, KALAR® 5277 is also ideal for a variety of applications including the following:

- Industrial sealant tape
- Architectural glazing tape
- Automotive windshield tape
- Automotive sealant and sound deadening compound
- Tire sealant
- High-strength thermoplastic mastic
- Weather-proofing sealant tape
- Hot-melt glazing compounds
- Solvent release adhesives
- Caulks
- Construction adhesives
- Processing aid for butyl rubber
- Green strength enhancer in butyl and EPDM compounds

### Handling

The suggested handling procedure varies with the desired product. Coatings and adhesives are produced by adding the pellets to a solvent, mixing with a high-speed homogenizer-dispenser, and adding the rest of the ingredients. Caulks and sealants may be mixed in Sigma blade mixers. Stiff compounds may be mixed in a Banbury or on a two-roll rubber mill.

### Storage and Shelf Life

KALAR® 5277 will maintain chemical and physical properties for a minimum of 1 year from date of manufacture. KALAR® 5277 product may agglomerate or hard-pack within the boxes, however this will have no effect on chemical or physical properties and the product may be used. Store in a cool, dry environment.



### Typical Packaging

KALAR® 5277 is packaged in 50 lb. fiber boxes.

### Safety and Disposal

Prior to working with this or any product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions.

### Technical Data

Property	Typical Value	Test Method
Mooney viscosity @ 127°C	68 - 75	ASTM D1646
Specific Gravity	0.92	ASTM D71
Density (lb/gal)	7.7	ASTM D71
Filler	None	

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