



KALAR® 5281

KALAR® 5281 is a partially cross-linked butyl rubber compound pelletized for easy handling. KALAR® 5281 is modified with ethylene vinyl acetate (EVA) copolymer to improve lower temperature toughness and higher temperature processing. KALAR® products feature all the performance attributes expected of butyl rubber.

KALAR® 5281 is light amber to yellow 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 / EVA
Type of Product	Elastomer
Appearance / Color	Light Amber to yellow
Consistency	Rubber Pellet

Features and Benefits

KALAR® 5281 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® 5281 contains no monomeric materials that often impart an objectionable odor and potential instability under elevated temperature. Although widely used in the sealant industry, KALAR® 5281 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® 5281 will maintain chemical and physical properties for a minimum of 1 year from date of manufacture. KALAR® 5281 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® 5281 is packaged in 48 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	70 - 83	ASTM D1646
Specific Gravity	0.92	ASTM D71
Density (lb/gal)	7.7	ASTM D71
Filler	None	

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