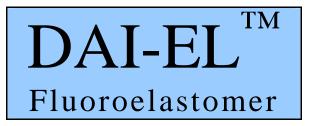


TECHNICAL INFORMATION



G-621BP

FEATURES

DAI-EL G-621BP is a high fluorine, bisphenol curable, gum terpolymer, processable by transfer and compression molding. DAI-EL G-621BP has excellent resistance to fuels and other solvents. It may be compounded for moderately fast cure and low compression set.

TYPICAL PROPERTIES

Fluorine content 71% Specific gravity 1.90 Mooney viscosity (ML_{1+10} @ 121°C) 53

Color Clear to milky white

Solubility Soluble in lower ketones and esters

TYPICAL APPLICATIONS

Molded o-rings, seals and gaskets, especially where low fuel permeation is required

FORM & PACKAGING

DAI-EL G-621BP is packaged as slabs with polyethylene film separators sealed in a polyethylene bag. The standard shipping container is a 20 kg (44 lb) net weight carton.

SAFETY

- (1) Store and use all fluoroelastomers in a well-ventilated area.
- (2) Do not smoke in areas contaminated with dust from fluoroelastomers.
- (3) Avoid eye contact.
- (4) After handling, wash any skin that came in contact with the product with soap & water.

Potential hazards, including evolution of toxic vapors, exist during compounding or processing under high temperatures. Before processing Daikin fluoroelastomer, consult the MSDS (Material Safety Data Sheet) and follow all label directions and handling precautions. Read and follow all directions from other compound ingredient suppliers. Mixing agents that contain metallic particulate such as powdered aluminum can rapidly decompose at high temperatures, and therefore should not be used with this product.

TYPICAL COMPOUND PROPERTIES

Test formula	phr
DAI-EL G-621BP	100
MT Carbon Black (N-990)	30
Magnesium oxide	3
Calcium hydroxide	6
Bisphenol AF	2.0
BTPPC	0.5

Rheological Properties	ODR	MDR
Temperature: 177 °C	Strain: 3°	Strain: 0.5°
Frequency: 100 cpm	Test time: 12 min	Test time: 6 min
ML (minimum torque), lb-in	TBD	TBD
t _s 2 (scorch time), minutes	TBD	TBD
t'90 (time to 90% cure), minutes	TBD	TBD
MH (maximum torque), lb-in	TBD	TBD

Physical Properties		
Press Cure	10 min at 177 °C	
Post Cure	24 hr @ 232 °C	
Hardness, Shore A	TBD	
Tensile strength, psi (Mpa)	TBD	
Elongation at break, %	TBD	
100% Modulus, psi (Mpa)	TBD	
Compression Set, ASTM D395 Method B (#214 O-ring)		
70 hours @ 200 °C, %	TBD	

Low Temperature Retraction, ASTM D1329		
TR10, °C	TBD	

SCM 08-15

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