TECHNICAL DATA SHEET

DAI-EL® G-7200EBP

DAI-EL® G-7200EBP is a bisphenol curable, gum copolymer. It has excellent mold flow, which makes it well suited for injection molding. Properly compounded, *DAI-EL*® G-7200EBP produces vulcanizates with excellent heat and compression set resistance.

Properties*	
Fluorine content	66%
Specific gravity	1.81
Mooney viscosity (ML1+10 @ 121 C)	21
Color	White to pale brown
Solubility	Soluble in lower ketones and esters

***Typical properties are not suitable for specification purposes.**

Applications

O-rings, shaft seals, gaskets, molded tubing

Form & Packaging

DAI-EL® G-7200EBP 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 SDS (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-7200EBP	100
MT Carbon Black (N-990)	30
Magnesium oxide	3
Calcium hydroxide	6
Bisphenol AF	2
Phosphonium accelerator	0.5

Rheological Properties	MDR 2000	ODR
Temperature: 177°C Frequency: 100 cpm	Strain: 0.5° Test time: 6’	Strain: 3° Test time: 12’
ML (minimum torque), lb-in (dNm)	0.6 (0.7)	6.0 (6.8)
MH (maximum torque), lb-in (dNm)	19.8 (22.4)	98 (111)
t_s2 (scorch time), minutes	1.2	1.8
t’50 (time to 50% cure), minutes	1.5	2.8
t’90 (time to 90% cure), minutes	2.2	3.1

Physical Properties		
Press Cure Post Cure	10 min @ 177 °C 24 hrs @ 232 °C	5 min @ 177 °C 24 hrs @ 260 °C
Hardness, Shore A	76	77
Tensile strength, MPa (psi)	13.2 (1910)	14.1 (2040)
Elongation at break, %	210	200
100% Modulus, MPa (psi)	5.9 (860)	5.8 (850)
Compression Set, ASTM D395 Method B (#214 O-ring)		
70 hours @ 200 °C, %	17	17

Low Temperature Retraction, ASTM D1329	
TR10, °C	-18

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