



Chenguang Fluoroelastomer

Precompound CG A401C

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Descriptions		ISO9001
Composition	Di-polymer of VdF and HFP, with curative incorporated	All Chenguang fluoroelastomers are manufactured at ISO9001 registered facilities.
Features	Good performance in processing and rheology	Technical Information and Test Data Technical information, test data, and advice provided by Chenguang personnel are based on information and tests we believe are reliable and are intended for persons with knowledge and technical skills sufficient to analyze test types and conditions, and to handle and use raw polymers and related compounding ingredients. No license under any Chenguang or third party intellectual rights is granted or implied by virtue of this information.
Process methods	Compression and transfer molding and extrusion for O-rings	
Curatives	Bisphenol	Important Notice Because conditions of product use are outside Chenguang's control and vary widely, User must evaluate and determine whether a Chenguang product will be suitable for user's intended application before using it. The following is made in lieu in all express and implied warranties (including warranties of merchantability and fitness for a particular purpose): If a Chenguang product is proved to be defective, Chenguang's only obligation, and user's only remedy, will be, at Chenguang's option, to replace the quantity of product shown to be defective when user received it or to refund user's purchase price. In no event will Chenguang be liable for any direct, indirect, special, incidental, or consequential loss or damage, regardless of legal theory, such as breach of warranty or contract, negligence, or strict liability.
Typical Properties		
Fluorine Content, %	66	
Specific Gravity	1.80	
Color	White	
Solubility	LMW Ketones and esters	
Mooney Viscosity ML 1+10@121°C	40	
Typical Properties of Vulcanizate		
Compound	phr	
Polymer	100	
MT Black (N990)	30	
MgO	3	
Ca(OH) ₂	6	
Curing Condition	Press 10min at 170°C Oven 24h at 230°C	
Typical Rheological Properties		
<i>M Monsanto Moving Die Rheometer (MDR2000®)</i>		
<i>100cpm, 0.5° Arc, 6 minutes, 177°C</i>		
ML, Minimum Torque, N m	0.22	
ts2, Time to 2 inch-lb rise from minimum	1'2"	
t'90, Time to 90% cure	2'19"	
MH, Maximum Torque, N m	1.93	
Typical Physical Properties		
<i>Press Cure 10 minutes @ 170°C</i>		
<i>Post Cure 24 hours @ 230°C</i>		
Tensile, MPa (ASTM D412)	13.0	
Elongation at break, % (ASTM D412)	180	
Hardness, Shore A (ASTM D2240)	77	
Compression Set, %, [ASTM D395 Method B (Disc)]		
Aged 70 hours @ 200°C	14	

Remarks: The technical data above is not for specification purposes but for reference.

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