Boda BDF601P

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

BDF601P is a medium to high viscosity curative incorporated fluoroelastomer copolymer.
This grade is well suited for application where good mechanical properties and excellent compression set resistance are required. BDF601P can be compounded to meet the major fluoroelastomer specifications.
BDF601P can be used for compression molding of O-rings and gaskets. It can be mixed using typical fluoroelastomer compounding ingredients. Mixing can be accomplished with two-roll mills or internal mixers. Finished goods can be produced by a variety of rubber processing methods.

General Information	
Features	Low compressive deformability Copolymer Medium viscosity
Uses	Washer Composite
Appearance	White
Processing Method	Composite Compression molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.82	g/cm³	
Mooney Viscosity (ML 1+10, 121°C)	60	MU	
Fluorine Content	66	%	
Solubility	LMW Ketones and esters		
MH [1] (177°C)	2.60	N·m	
ML [2] (177°C)	0.500	N·m	
t'90 [3] (177°C)	2.3	min	
ts2 [4] (177°C)	1.2	min	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness [5] (Shore A)	78		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [6] (Yield)	14.5	MPa	ASTM D412
Tensile Elongation [7] (Break)	180	%	ASTM D412
Compression Set (200°C, 70 hr)	13	%	ASTM D395B
Additional Information			

Test Compound:
Polymer: 100
MT Black (N990): 30 phr
MgO: 3 phr
Ca(OH)2: 6 phr
Curing Condition:
Press: 10 min at 170°C
Oven: 24 hr at 230°C

NOTE	
1.	MDR2000 Rheometer, 100cpm, 0.5° Arc, 6 minutes
2.	MDR2000 Rheometer, 100cpm, 0.5° Arc, 6 minutes
3.	MDR2000 Rheometer, 100cpm, 0.5° Arc, 6 minutes
4.	MDR2000 Rheometer, 100cpm, 0.5° Arc, 6 minutes
5.	Press Time: 10 min, Press Temperature: 170°C, Post Cure Time: 24 hr, Post Cure Temperature: 230°C
6.	Press Time: 10 min, Press Temperature: 170°C, Post Cure Time: 24 hr, Post Cure Temperature: 230°C
7.	Press Time: 10 min, Press Temperature: 170°C, Post Cure Time: 24 hr, Post Cure Temperature: 230°C

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China