Boda BDF361P

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

BDF361P is a low to medium viscosity curative incorporated fluoroelastomer copolymer.
This grade is well suited for application where good tear resistance and metal bonding properties are required. BDF361P can be compounded to meet the major fluoroelastomer specifications.
BDF361P can be used for injection, transfer or compression molding of oil seals, shaft seals or valve stem seals. 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	Copolymer Adhesiveness Good tear strength Medium and low viscosity
Uses	Composite Seals
Appearance	White
Processing Method	Composite Resin transfer molding Compression molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80	g/cm³	
Mooney Viscosity (ML 1+10, 121°C)	30	MU	
Fluorine Content	66	%	
Solubility	LMW Ketones and esters		
MH [1] (177°C)	2.45	N·m	
ML [2] (177°C)	0.190	N·m	
t'90 [3] (177°C)	2.8	min	
ts2 [4] (177°C)	1.4	min	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness [5] (Shore A)	77		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [6] (Yield)	13.5	MPa	ASTM D412
Tensile Elongation [7] (Break)	230	%	ASTM D412
Compression Set (200°C, 70 hr)	20	%	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

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