Boda BDT601P

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

BDT601P is a high viscosity curative incorporated fluoroelastomer terpolymer.
This grade is well suited for application where good compression set resistance and superior fluid resistance than copolymers are required. BDT601P can be compounded to meet the major fluoroelastomer specifications.
BDT601P can be used for compression or calendering molding of O-rings and gaskets, and extrusion of articles. 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 Terpolymer Viscosity, High
Uses	Washer Composite
Appearance	White
Processing Method	Composite Extrusion Calendering

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.86	g/cm³	
Mooney Viscosity (ML 1+10, 121°C)	60	MU	
Fluorine Content	68	%	
Solubility	LMW Ketones and esters		
MH [1] (177°C)	2.85	N·m	
ML [2] (177°C)	0.520	N·m	
t'90 [3] (177°C)	2.7	min	
ts2 [4] (177°C)	2.7	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)	14.0	MPa	ASTM D412
Tensile Elongation [7] (Break)	220	%	ASTM D412
Compression Set (200°C, 70 hr)	22	%	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