Boda BDT40P

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

BDT40P is a medium viscosity curative incorporated fluoroelastomer terpolymer.
This grade is well suited for application where good flowability, mold release and superior fluid resistance than copolymers are required. BDT40P can be compounded to meet the major fluoroelastomer specifications.
BDT40P can be used for injection molding of various sealing parts. 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	Good liquidity Terpolymer Good demoulding performance Medium viscosity
Uses	Composite Seals
Appearance	White
Processing Method	Composite Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.85	g/cm³	
Mooney Viscosity (ML 1+10, 121°C)	40	MU	
Fluorine Content	68	%	
Solubility	LMW Ketones and esters		
MH [1] (177°C)	2.68	N·m	
ML [2] (177°C)	0.190	N·m	
t'90 [3] (177°C)	3.3	min	
ts2 [4] (177°C)	3.3	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)	13.5	MPa	ASTM D412
Tensile Elongation [7] (Break)	230	%	ASTM D412
Compression Set (200°C, 70 hr)	25	%	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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