Boda BDT246-1EP

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

BDT246-1EP is a low viscosity curative incorporated fluoroelastomer terpolymer.
This grade is well suited for application where good flowability, mold release and improved fluid resistance than standard terpolymers are required.
BDT246-1EP can be compounded to meet the major fluoroelastomer specifications.
BDT246-1EP can be used for extrusion molding of profiles and low permeability hoses. 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 viscosity Good liquidity Terpolymer Good demoulding performance
Uses	Composite Pipe Profile
Appearance	White
Processing Method	Composite Extrusion Profile extrusion molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.87	g/cm³	
Mooney Viscosity (ML 1+10, 121°C)	28	MU	
Fluorine Content	69	%	
Solubility	LMW Ketones and esters		
MH [1] (177°C)	1.92	N·m	
ML [2] (177°C)	0.120	N·m	
t'90 [3] (177°C)	2.0	min	
ts2 [4] (177°C)	51.0	sec	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness [5] (Shore A)	77		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [6] (Yield)	12.5	MPa	ASTM D412
Tensile Elongation [7] (Break)	290	%	ASTM D412
Compression Set (200°C, 70 hr)	37	%	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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