Boda BDTL30P

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

Message:

BDTL30P is a high viscosity curative incorporated fluoroelastomer terpolymer.
This grade is well suited for application where good flowability and superior low temperature flexibility than standard terpolymers are required. BDTL30P can be compounded to meet the major fluoroelastomer specifications.
BDTL30P can be used for injection, calendering, extrusion and compression molding 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	Flexibility at low temperatures Good liquidity Terpolymer Viscosity, High
Uses	Composite
Appearance	White
Processing Method	Composite Extrusion Compression molding Calendering Injection 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)	1.85	N·m	
ML [2] (177°C)	0.200	N·m	
t'90 [3] (177°C)	2.3	min	
ts2 [4] (177°C)	2.3	min	
Tr10	-18	°C	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness [5] (Shore A)	76		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [6] (Yield)	13.0	MPa	ASTM D412
Tensile Elongation [7] (Break)	220	%	ASTM D412
Compression Set (200°C, 70 hr)	26	%	ASTM D395B
Thermal	**Nominal Value**	**Unit**	

Brittleness Temperature	-40.0	°C

Additional Information	Nominal Value	Unit
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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