# Boda BDT2461E

Fluoroelastomer

Chenguang Fluoro & Silicone Elastomers Co., Ltd.

## Message:

BDT2461E is a low 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. BDT2461E can be compounded to meet the major fluoroelastomer specifications.
BDT2461E can be used for extrusion molding of profiles and tubes. 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<br>Good liquidity<br>Terpolymer<br>Good demoulding performance |
| Uses | Composite<br>Pipe fittings<br>Profile |
| Appearance | White |
| Processing Method | Composite<br>Extrusion<br>Profile extrusion molding |

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Specific Gravity | 1.86 | g/cm³ | |
| Mooney Viscosity (ML 1+10, 121°C) | 32 | MU | |
| Fluorine Content | 68 | % | |
| Solubility | LMW Ketones and esters | | |
| MH [1] (177°C) | 2.10 | N·m | |
| ML [2] (177°C) | 0.200 | N·m | |
| t'90 [3] (177°C) | 3.2 | min | |
| ts2 [4] (177°C) | 1.5 | min | |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Durometer Hardness [5] (Shore A) | 75 | | ASTM D2240 |
| **Elastomers** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength [6] (Yield) | 13.0 | MPa | ASTM D412 |
| Tensile Elongation [7] (Break) | 270 | % | ASTM D412 |
| Compression Set (200°C, 70 hr) | 28 | % | 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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