



**Bayblend® ET3032 FR**  
(PC+ABS)-I-T10 FR(40+72)

Covestro Deutschland AG

- Rubber modified PC blend
- 10 % mineral filled
- flame retardant
- Vicat/B 120 temperature = 108 °C
- extrusion grade
- good extrusion and vacuum-forming behaviour
- UL-recognition 94 V-0 at 0.75mm
- glow wire temperature (GWFI): 960 °C at 2.0 mm

| Rheological properties     | Value | Unit      | Test Standard |
|----------------------------|-------|-----------|---------------|
| <b>ISO Data</b>            |       |           |               |
| Melt volume-flow rate, MVR | 10    | cm³/10min | ISO 1133      |
| Temperature                | 260   | °C        | -             |
| Load                       | 5     | kg        | -             |

| Mechanical Properties | Value | Unit | Test Standard |
|-----------------------|-------|------|---------------|
| <b>ISO Data</b>       |       |      |               |
| Tensile Modulus       | 3950  | MPa  | ISO 527       |
| Yield stress          | 63    | MPa  | ISO 527       |
| Yield strain          | 4     | %    | ISO 527       |

| Thermal Properties                          | Value | Unit  | Test Standard   |
|---------------------------------------------|-------|-------|-----------------|
| <b>ISO Data</b>                             |       |       |                 |
| Temp. of deflection under load (1.80 MPa)   | 94    | °C    | ISO 75-1/-2     |
| Vicat softening temperature, 50°C/h 50N     | 106   | °C    | ISO 306         |
| Coeff. of Linear Therm. Expansion, parallel | 48    | E-6/K | ISO 11359-1/-2  |
| Coeff. of Linear Therm. Expansion, normal   | 59    | E-6/K | ISO 11359-1/-2  |
| Burning Behav. at thickness h               | V-0   | class | UL 94           |
| Thickness tested                            | 0.8   | mm    | -               |
| Burning Behav. 5V at Thickness h            | 5VB   | class | IEC 60695-11-20 |
| Thickness tested                            | 2.0   | mm    | -               |

| Other Properties    | Value | Unit  | Test Standard  |
|---------------------|-------|-------|----------------|
| <b>ISO Data</b>     |       |       |                |
| Water Absorption    | 0.5   | %     | Sim. to ISO 62 |
| Humidity absorption | 0.2   | %     | Sim. to ISO 62 |
| Density             | 1300  | kg/m³ | ISO 1183       |

| Test specimen production              | Value | Unit | Test Standard |
|---------------------------------------|-------|------|---------------|
| <b>ISO Data</b>                       |       |      |               |
| Injection Molding, melt temperature   | 260   | °C   | ISO 294       |
| Injection Molding, mold temperature   | 80    | °C   | ISO 294       |
| Injection Molding, injection velocity | 240   | mm/s | ISO 294       |

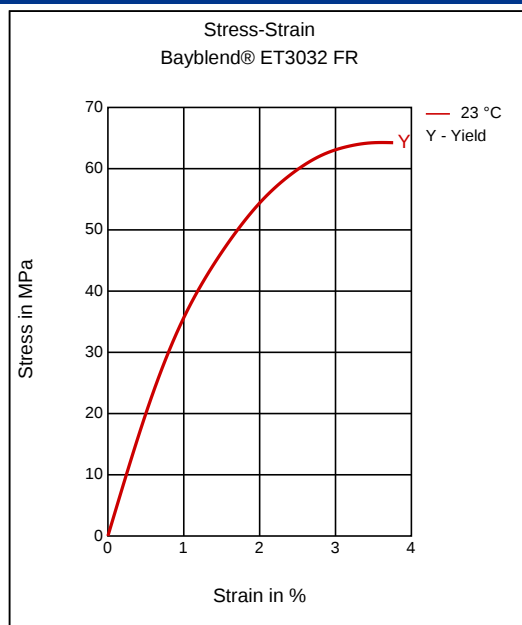
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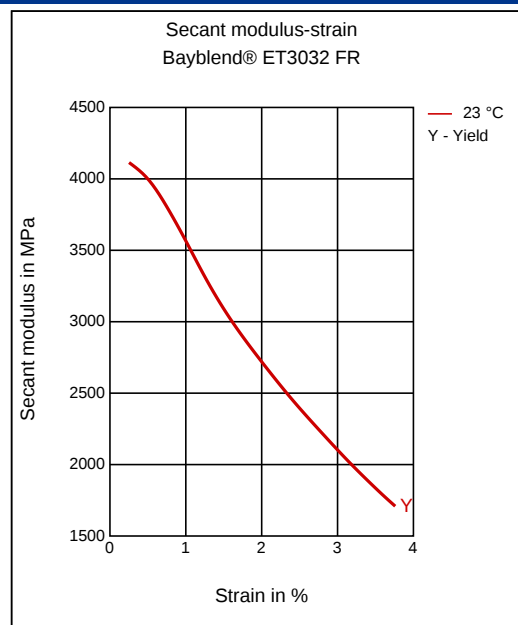
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### Diagrams

#### Stress-strain



#### Secant modulus-strain



### Characteristics

#### Processing

Profile Extrusion, Sheet Extrusion, Other Extrusion, Thermoforming

#### Delivery form

Pellets

#### Additives

Release agent

#### Special Characteristics

Flame retardant, Halogen-free, Impact modified