

# Petrothene® XL07420B

Polyolefin  
LyondellBasell Industries

Message:  
Petrothene XL07420B is a colorable, non-halogenated, flame retardant compound crosslinkable via continuous vulcanization (C.V.).

| General Information                                  |                                 |                   |             |
|------------------------------------------------------|---------------------------------|-------------------|-------------|
| Additive                                             | Flame retardancy                |                   |             |
| Features                                             | Crosslinkable                   |                   |             |
|                                                      | Halogen-free                    |                   |             |
|                                                      | Flame retardancy                |                   |             |
| Uses                                                 | Thin wall parts                 |                   |             |
|                                                      | Wire and cable applications     |                   |             |
|                                                      | Application in Automobile Field |                   |             |
| Processing Method                                    | Wire & Cable Extrusion          |                   |             |
| Physical                                             | Nominal Value                   | Unit              | Test Method |
| Density                                              | 1.40                            | g/cm <sup>3</sup> | ASTM D1505  |
| Elastomers                                           | Nominal Value                   | Unit              | Test Method |
| Tensile Strength (Break)                             | 16.8                            | MPa               | ASTM D412   |
| Tensile Elongation (Break)                           | 220                             | %                 | ASTM D412   |
| Aging                                                | Nominal Value                   | Unit              | Test Method |
| Change in Tensile Strength in Air (165°C, 168 hr)    | 23                              | %                 | ASTM D573   |
| Change in Ultimate Elongation in Air (165°C, 168 hr) | -10                             | %                 | ASTM D573   |
| Extrusion                                            | Nominal Value                   | Unit              |             |
| Cylinder Zone 1 Temp.                                | 225 - 235                       | °C                |             |
| Cylinder Zone 2 Temp.                                | 225 - 235                       | °C                |             |
| Cylinder Zone 3 Temp.                                | 225 - 235                       | °C                |             |
| Cylinder Zone 4 Temp.                                | 225 - 235                       | °C                |             |
| Cylinder Zone 5 Temp.                                | 225 - 235                       | °C                |             |
| Adapter Temperature                                  | 235 - 245                       | °C                |             |
| Melt Temperature                                     | 240 - 260                       | °C                |             |
| Die Temperature                                      | 235 - 245                       | °C                |             |

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