

# Deprene 251-60

Polypropylene + EPDM Rubber  
Shanghai Lin Gen Rubber Materials Co., Ltd.

Message:

Deprene 251-60 is a polypropylene EPDM rubber (PP EPDM) material. This product is available in the Asia-Pacific region and is processed by extrusion or injection molding.

The main features of Deprene 251-60 are:

- flame retardant/rated flame
- Flame Retardant
- Good flexibility
- chemical resistance

Typical application areas include:

- Wire and cable
- Sealing applications
- Hose

| General Information                 |                             |                   |             |
|-------------------------------------|-----------------------------|-------------------|-------------|
| Features                            | Good flexibility            |                   |             |
|                                     | Good chemical resistance    |                   |             |
|                                     | Flame retardancy            |                   |             |
| Uses                                | Wire and cable applications |                   |             |
|                                     | Pipe                        |                   |             |
|                                     | Seals                       |                   |             |
| Processing Method                   | Extrusion                   |                   |             |
|                                     | Injection molding           |                   |             |
| Physical                            | Nominal Value               | Unit              | Test Method |
| Specific Gravity                    | 1.10                        | g/cm <sup>3</sup> | ASTM D297   |
| Hardness                            | Nominal Value               | Unit              | Test Method |
| Durometer Hardness (Shore A, 5 sec) | 60                          |                   | ASTM D2240  |
| Elastomers                          | Nominal Value               | Unit              | Test Method |
| Tensile Strength (Yield)            | 3.80                        | MPa               | ASTM D412   |
| Tensile Elongation (Break)          | 450                         | %                 | ASTM D412   |
| Tear Strength                       | 19.0                        | kN/m              | ASTM D624   |
| Thermal                             | Nominal Value               | Unit              | Test Method |
| Brittleness Temperature             | -60.0                       | °C                | ASTM D746   |
| Flammability                        | Nominal Value               |                   | Test Method |
| Flame Rating (3.0 mm)               | V-0                         |                   | UL 94       |
| Injection                           | Nominal Value               | Unit              |             |
| Drying Temperature                  | 80 - 90                     | °C                |             |
| Drying Time                         | 2.0 - 4.0                   | hr                |             |

|                        |               |      |
|------------------------|---------------|------|
| Processing (Melt) Temp | 190 - 250     | °C   |
| Injection Pressure     | 40.0 - 60.0   | MPa  |
| Extrusion              | Nominal Value | Unit |
| Melt Temperature       | 170 - 230     | °C   |

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