

## Precision Polymer Engineering E90K Ethylene Propylene Rubber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

General purpose, peroxide cured, Ethylene Propylene Terpolymer, 85-95 °IRHD. Terpolymer of ethylene, propylene and diene monomers.

ASTM D2000/SAE J200 line call out M8CA910, A25, B35, C32, EA14, and F17. Applications: Excellent water and steam resistance with good compression set properties. Improved heat resistance compared to sulphur cured EPDM. Not oil resistant.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-E90K-Ethylene-Propylene-Rubber.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-E90K-Ethylene-Propylene-Rubber.php)

| Mechanical Properties   | Metric   | English  | Comments   |
|-------------------------|----------|----------|--|
| Hardness, Shore A       | 90       | 90       | °IRHD; ASTM D1415                                    |
|                         | 100      | 100      | °IRHD, +10 change after 70 hours @ 125°C; ASTM D1415 |
| Tensile Strength, Yield | 8.00 MPa | 1160 psi | -20% change after 70 hours @ 125°C; ASTM D412        |
|                         | 10.0 MPa | 1450 psi | ASTM D412  |
| Elongation at Break     | 60.0 %   | 60.0 %   | -40% change after 70 hours @ 125°C; ASTM D412        |
|                         | 100 %    | 100 %    | ASTM D412  |
| Compression Set         | 50 %     | 50 %     | 22 hours @ 125°C; ASTM D395                          |

| Thermal Properties               | Metric    | English   | Comments                    |
|----------------------------------|-----------|-----------|-----------------------------|
| Maximum Service Temperature, Air | 150 °C    | 302 °F    |                             |
| Minimum Service Temperature, Air | -40.0 °C  | -40.0 °F  |                             |
|                                  | -40.0 °C  | -40.0 °F  | Non-brittle after 3 minutes |
| Flash Point                      | >= 200 °C | >= 392 °F |                             |

## Contact Songhan Plastic Technology Co.,Ltd.

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