

## Precision Polymer Engineering E80K Ethylene Propylene Rubber

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

### Material Notes:

General purpose, peroxide cured, Ethylene Propylene Terpolymer, 75-85 °IRHD. Terpolymer of ethylene, propylene and diene monomers. To meet ASTM D2000/SAE J200 line call-out MCA810, A25, B35, F17. Applications: Excellent water and steam resistance with good compression set properties. Better heat and chemical resistance than sulphur cured EPDM. Not mineral oil resistant.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-E80K-Ethylene-Propylene-Rubber.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-E80K-Ethylene-Propylene-Rubber.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	°IRHD; ASTM D1415
	90	90	°IRHD, +10 change after 70 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	8.00 MPa	1160 psi	-20% change after 70 hours @ 100°C; ASTM D412
	10.0 MPa	1450 psi	ASTM D412
Elongation at Break	90.0 %	90.0 %	-40% change after 70 hours @ 100°C; ASTM D412
	150 %	150 %	ASTM D412
Compression Set	50 %	50 %	22 hours @ 125°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
Flash Point	>= 200 °C	>= 392 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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