



HiFlex™ EP-502 is a blended oil extended terpolymer of ethylene, propylene and diene with 30 Phr oil. **HiFlex™ EP-502** has very good processability and is compatible for co-curing with conventional diene rubbers. It shows excellent resistance to oxidation and ozone degradation.

RAW MATERIAL PROPERTIES

Properties	Nominal Value	Test Method
Mooney Viscosity (ML 1+4@125°C)	50 +/- 5 MU	ASTM D1646
Oil Content	30 +/- 5 Phr	MEK Extraction
Ethylene Content	57 +/- 5%	Internal Method
ENB Content	5.0 +/- 1%	Internal Method
Moisture Content	0.75% max	Internal Method
Ash Content	1.5% max	ASTM D297-35
Density	0.86 g/cm ³	ISO 1183
Antioxidant	Non-Staining	-

Physical Properties*	Value
Tensile Strength	15.3 MPa
Modulus at 100% EB	5.3 Mpa
Elongation at Break	345%
Hardness	69 Shore A

* Characteristics determined on a HEPL compound of the following formulation. Press Cure: 10 mins @ 160°C

HiFlex™ EP-502	130
Zinc Oxide	5
Stearic Acid	1
FEF N-550	80
Paraffinic Oil	20
Qureacc® TMT	0.5
Qureacc® MBT	0.5
Qureacc® ZDBC	1
Qureacc® MBTS	1
Sulfur	1.7

Applications:

Automotive and window profiles, grommets, pipe seals, sheets and other industrial products requiring ozone resistance.

Supply Form:

12.5 kgs and 25 kgs bale wrapped in dispersible film.