HiFlex™ EP6900

EPDM Rubber

HiFlex™ EP6900 is an oil extended blended terpolymer of ethylene, propylene and diene with 50 PHR oil. **HiFlex™ EP6900** has a very good processability and is compatible for co-curing with conventional diene rubbers. It shows an excellent resistance to oxidation and ozone degradation.

RAW MATERIAL PROPERTIES

Properties	Nominal Value	Test Method
Mooney Viscosity (ML 1+4@125°C)	41 +/- 5 MU	ASTM D1646
Oil Content	50 +/-5 PHR	MEK Extraction
Ethylene content	65 +/-5%	Internal Method
ENB Content	6 +/1.5%	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	9.5 MPa
Modulus at 100% EB	3 MPa
Elongation at Break	400%
Hardness	55 Shore A

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

HiFlex™ EP6900	150
Zinc Oxide	5
Stearic Acid	1
FEF N-550	80
Paraffnic Oil	20
Qureacc TMT	0.5
Qureacc MBT	0.5
Qureacc ZDBC	1
Qureacc MBTS	1
Sulfur	1.7

Applications:
Low hardness Components, Grommets, pipe seals, sheets, and other industrialproducts.

Supply Form:
25 kgs bale wrapped in dispersible film.

702/703 Prasad Chambers, Tata Road No.2, Swadeshi Mills Compound, Opera House, Mumbai - 400004, INDIA.
Tel: +91 22-23632222/23612222/8828000777 | Email: mail@hindelastomers.com | Web: www.hindelastomers.com | Version: December 2023
Mumbai : 88280 00777 | New Delhi : 73045 59392 | Pune : 93711 57070 | Hyderabad : 98857 90009 | Ahmedabad : 93270 12469