

Ready to use Bisphenol Cure Fluoroelastomer Moulding Compound

HiFluon™ HE 400 series compounds are designed for low compression applications. **HiFluon™** FKM Compounds are manufactured using high quality raw materials under Japanese mixing systems in a dust free atmosphere. **HiFluon™** FKM compounds offer stable physical properties from batch to batch. **HiFluon™** FKM compounds are targeted to help users reduce their cost and at the same time achieve high physical properties.

HiFluon™ HE 400 series compounds display high heat resistance to long term ageing at elevated temperatures. The working temperature range is -26°C to 230°C. For short working periods it can withstand higher temperatures.

REFERENCE RECIPES AND PROPERTIES

| Grade | HE 460 | HE 470 | HE 480 |
|--|--------|--------|--------|
| Press Cure: 10 min @ 170°C / Post Cure: 24 hr @ 230°C | | | |
| Specific Gravity | 1.85 | 1.86 | 1.86 |
| Colour | Black | Black | Black |
| Hardness (Shore A) +/-5 | 61 | 70 | 80 |
| Tensile Strength (kg/cm ²) | 103 | 122 | 129 |
| Elongation at Break (%) | 250 | 210 | 190 |
| Compression Set % | | | |
| 22 hr @175°C | 8 | 13 | 18 |
| Hot Air Ageing - 70 hr @ 250°C | | | |
| Change in Tensile Strength (%) | +2 | +3 | +6 |
| Change in Elongation (%) | -11 | -12 | -17 |
| Change in Hardness (Shore A) | +2 | +2 | +2 |

Applications:

Moulded goods, O-rings, etc.

Instructions on Use:

- Warm up compound on mixing mill before use.
- Ensure proper mould /press temperature and accurate curing time for optimum cure.
- Post cure at 230°C for 24 hours is mandatory.
- Store in a cool, dry and dark place. For longer storage life, seal unused compound in pouch to avoid contact with moisture.

Packing:

1 kg, 2 kgs & 5 kgs aluminum foil pouch & 20 kgs boxes. Standard thickness of sheet is 6 mm.