

Fainplast Compounds Hax™ HFX 500S Crosslinkable HFFR Cable Compound

Category : Polymer , Thermoplastic , Polyolefin , Polyolefin , Wire/Cable Grade

Material Notes:

Polyolefin based HFFR silane grafted compound; cross-linkable by heat and moisture and by addition of suitable catalyst
 description:• Sheathing for solar cables
 Information provided by Fainplast Compounds

Order this product through the following link:

http://www.lookpolymers.com/polymer_Fainplast-Compounds-Hax-HFX-500S-Crosslinkable-HFFR-Cable-Compound.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|----------|
| Density | 1.45 - 1.49 g/cc | 0.0524 - 0.0538 lb/in ³ | ISO 1183 |
| Melt Flow | 3.0 g/10 min @Load 21.6 kg, Temperature 150 °C | 3.0 g/10 min @Load 47.6 lb, Temperature 302 °F | ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------|----------|-------------------------------|
| Hardness, Shore D | 42 - 48 | 42 - 48 | ISO 868 |
| Tensile Strength | 14.0 MPa | 2030 psi | Crosslinked specimen; ISO 527 |
| Elongation at Break | 200 % | 200 % | Crosslinked specimen; ISO 527 |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
| Oxygen Index | 31 % | 31 % | ISO 4589 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------------------|--------------------|-----------|
| Volume Resistivity | >= 1.00e+14 ohm-cm | >= 1.00e+14 ohm-cm | ASTM D257 |

| Processing Properties | Metric | English | Comments |
|------------------------|------------------------------------|------------------------------------|--|
| Processing Temperature | 120 - 200 °C | 248 - 392 °F | |
| Shelf Life | 3.00 Month @Temperature 30.0 °C | 3.00 Month @Temperature 86.0 °F | Moisture absorption after extended storage |

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