Cable Compounds

HIGH PERFORMANCE CABLE COMPOUNDS FOR HIGH-END APPLICATIONS

HIGHLIGHTS

AEROSPACE

AUTOMOTIVE

RADIATION CROSS-LINKABLE BASED ON FLUOROPOLYMERS

Mecoline RDX sheathing & insulation compounds for E-beam cross-linking, based on fluoropolymers (PVDF & Fluoroelastomer)
Compounds based on fluoropolymers
Radiation cross-linkable sheathing and insulation compounds for high-end cable applications.

Mecoline IS RDX 5241 F
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Made for 150°C rating dual wall wire construction, made of radiation cross-linkable Polyalkene insulation compound with a perfect jacket of a radiation cross-linked fluoropolymer (PVDF). Although initially developed for Aerospace and Defense applications this type of wire is nowadays increasingly used for automotive applications. Typical highlights are perfect cut-through resistance, high chemical resistance and light weight wire constructions in combination with demanding operating conditions and reliable performance.

Mecoline IS RDX 5244 F
For applications where exceptional performance is required. Particularly resistant to high temperatures and aggressive fuels. Applications: automotive, aerospace and chemical industries.

<table>
<thead>
<tr>
<th>Operating temperature [°C]</th>
<th>Shore hardness</th>
<th>Tensile strength [N/mm²] -crosslinked-</th>
<th>Elongation at break [%] -crosslinked-</th>
<th>LOI [%]</th>
<th>Density [g/cm³]</th>
<th>Viscosity [mPas] (100 °C)</th>
<th>Oil resistance level</th>
<th>Special features</th>
<th>Standards</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mecoline IS RDX 5241 F</td>
<td>-50 to 150</td>
<td>73 D</td>
<td>30,0</td>
<td>150</td>
<td>1,75</td>
<td>12,0</td>
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<td></td>
<td>150°C 21,6 kg</td>
<td>Flame resistant</td>
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<td>NEMA WC 27500</td>
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<td>SAE AS 81044/9</td>
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<td>SAE AS 81044/12</td>
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<td>230°C 21,6 kg</td>
<td>Flame resistant</td>
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<td>NEMA WC 27500</td>
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<td>230°C 21,6 kg</td>
<td>Flame resistant</td>
<td></td>
<td></td>
<td>ISO 6722-1 Class F</td>
</tr>
</tbody>
</table>

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Fax +31 35 60 33 235
www.inhol.com

Use our app to find the right compound:
www.cablecompoundfinder.com

Contact: cable@melos-gmbh.com

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For applications where exceptional performance is required. Particularly resistant to high temperatures and aggressive fuels. Applications: automotive, aerospace and chemical industries.

PVDF

Extreme Temperature Resistance

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Common basic features
- Flame resistant
- High temp.
- Oil resistant
- Abrasion resistant
- Flexible

Standards
- NEMA WC 27500
- SAE AS 81044/9
- SAE AS 81044/11
- SAE AS 81044/12
- ISO 6722-1 Class F

Application
- Offshore/Ship
- Marine, Aero.
- Marine, Aerospace, Defence
- Automotive
- Marine, Aero.