



melos

RDX

Compound flyer

MECOLINE IS RDX 1274 F

Halogen-free, radiation crosslinkable, highly flame retardant sheathing compound.



Continuous operating temperature 137 °C (20,000 h)



Excellent oil resistance



Highly flexible even at low temperature (down to -50 °C)



Superior flame retardancy



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Standards:

+ DIN EN50264-1 EM 104
+ ISO 19642 T4

Operating temperature [°C]:

-50 to 135 rolling stock
-50 to 150 automotive

PROPERTIES

	Unit	Typical value	Test method
Density	g/cm ³	1.58	DIN EN ISO 1183-1A
Hardness	Shore D	30	DIN ISO 48-4
Mooney viscosity, ML (2+4) 160°C	MU	40	DIN ISO 289-1
Tensile strength (after crosslinking 100 kGy)	MPa	11.5	IEC 60811-501
Elongation at break (after crosslinking 100 kGy)	%	205	IEC 60811-501
Elongation at break at -50°C	%	44	IEC 60811-505
LOI	%	40	ASTM D 2863 A

Fluid IRM 902 72h at 100°C

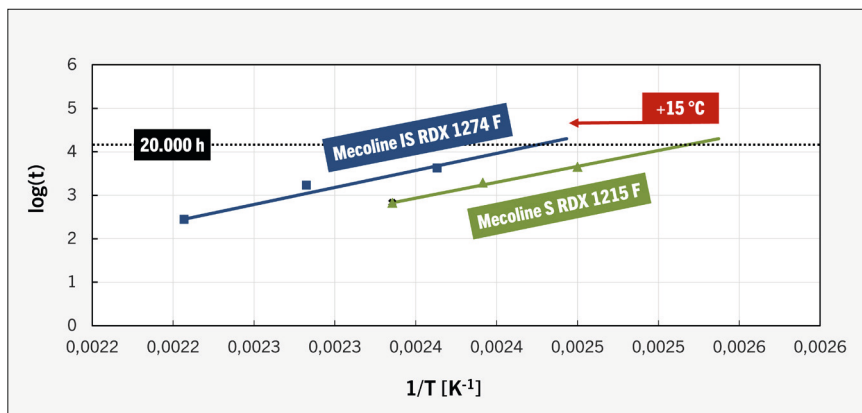
Variation in tensile strength	%	-3.5	IEC 60811-404
Variation in elongation at break	%	-22.2	IEC 60811-404

After ageing in air oven 3,000h at 150°C

Residual elongation at break	%	102	IEC 60811-404
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COMPARISON ARRHENIUS AGEING | BASED ON IEC 60216-1

MECOLINE S RDX 1215 F VS. MECOLINE S RDX 1274 F



- + Continuous operating temperature 137°C (20,000h)
- + Excellent resistance to oxalic acid and NaOH (168h at 23°C)
- + No surface migration of aging stabilizers

Note: The information given in this flyer is believed to be accurate and reliable. However, no warranty, express or implied, or guarantee is given as to the suitability, accuracy, reliability or completeness of the information. This information does not hold us liable for damages or penalties resulting from following our suggestions or recommendations.

