



melos

RDX

Compound flyer

MECOLINE IS RDX 5273 F

Radiation cross-linkable fluoro-elastomeric compound.



Very flexible



Excellent media resistance



High temperature resistant (up to 200°C)



Good flame retardancy



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Compound flyer

Standards:

+ ISO 19642 T6

Operating temperature [°C]:

-50 to 200

PROPERTIES

	Unit	Typical value	Test method
Density	g/cm ³	2.00	DIN EN ISO 1183-1A
Hardness	Shore A	90	DIN ISO 48-4
Melt flow index (230°C; 21.6 kg)	g/10 min	15.2	DIN EN ISO 1133
Tensile strength (after crosslinking 75 kGy)	MPa	14.6	IEC 60811-501
Elongation at break (after crosslinking 75 kGy)	%	320	IEC 60811-501
LOI	%	43	ASTM D 2863 A

After heat aging, 240 h at 225°C

Variation in tensile strength	%	-2.1	IEC 60811-401
Variation in elongation at break	%	-1.9	IEC 60811-401

CABLE TEST RESULTS

ACCORDING TO ISO 19642-3



HEAT AGEING

Long term
3000 h at 200°C

Short term
240 h at 225°C

NO BREAKDOWN
1 kV x 1 min

TEMPERATURE TESTS

Thermal overload
6 h at 250°C

Pressure test at
high temperature
200°C

Low temperature
winding
-40°C

NO BREAKDOWN
1 kV x 1 min

FLAME TEST

Resistance to flame
propagation

PASS



CROSS-SECTION: 0.35 mm², 2 mm², 6 mm², 25 mm² & 50 mm²
according to ISO 19642-3

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.

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