

meLOS

RDX

Compound flyer

MECOLINE IS RDX 5273 F

Radiation cross-linkable fluoro-elastomeric compound.



Very flexible



Excellent media resistance

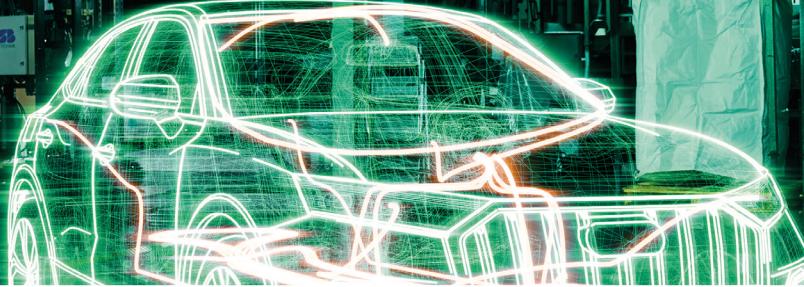


High temperature resistant (up to 200°C)



Good flame retardancy





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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/10min	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

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