

TP

Compound flyer

MECOLINE S TP 1053 F

Halogen-free thermoplastic, flame retardant, highly temperature resistant sheathing compound for low and medium voltage cables.



Continuous operating temperature 120°C (20,000 h)



Excellent oil and media resistance

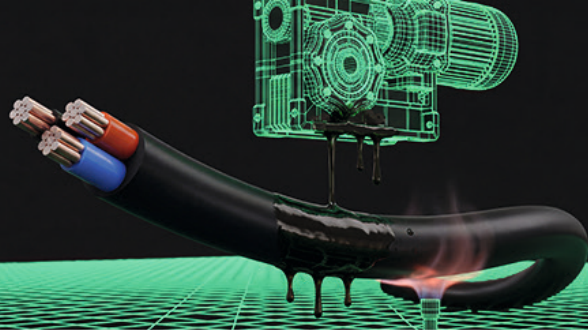


Superior flame retardancy



Highly flexible even at low temperature (down to -60°C)





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Standards:

+ DIN EN 50363-8 TM7
+ IEC 60502-1 ST8

+ DIN EN 50525-3-11 TM7
+ IEC 60092-360 SHF1

Operating temperature [°C]:

-60 to 120

PROPERTIES

	Unit	Typical value	Test method
Density	g/cm ³	1.63	DIN EN ISO 1183-1A
Hardness	Shore A	84	DIN ISO 48-4
Mooney viscosity, ML (2+4) 160°C	g/10 min	52	DIN ISO 289-1
Tensile strength	MPa	11.3	IEC 60811-501
Elongation at break	%	289	IEC 60811-501
Elongation at break at -60°C	%	70	DIN EN ISO 527
Hot pressure test 6 h at 120°C	%	18	IEC 60811-508
LOI	%	41	ASTM D 2863 A

Media resistance

Fluid IRM 902 1440h at 80°C

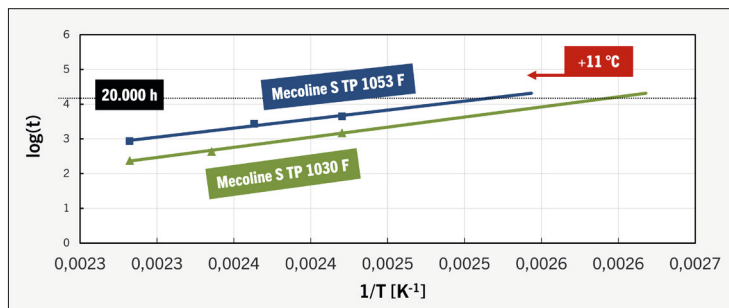
Variation in tensile strength	%	-10.0	IEC 60811-404
Variation in elongation at break	%	-15.9	IEC 60811-404
Variation in weight	%	+17.0	IEC 60811-404

Fluid IRM 903 191h at 70°C

Variation in tensile strength	%	-10.6	IEC 60811-404
Variation in elongation at break	%	-26.3	IEC 60811-404
Variation in weight	%	+12.0	IEC 60811-404

COMPARISON ARRHENIUS AGEING | BASED ON IEC 60216-1

MECOLINE S TP 1053 F VS. MECOLINE S TP 1030 F



+ Continuous operating temperature
120°C (20,000h)

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.

