

Technical data sheet

- **Name of product:** Cable marking tag TML-135-NG
- **Similar names:** Cable markers, marking plates, marking tags.
- **Product description:** flat, non-glue marking tags from modified (cross-linked) polyolefin with a thickness of 600 µm, double-sided, for operation in the temperature range from -60 ° C to + 135 ° C and with increased resistance of the applied information to solvents, fuels, oils and adverse environmental conditions. Information is applied by thermal transfer printing method using ink ribbon (ribbon) of type TML-ResT-DR
- **Purpose:** used for marking electrical wires, harnesses and cables of the onboard network of vehicles, devices and units of mobile and stationary performance, power and signal cable lines operated, including in conditions of atmospheric influences.
- **Sizes and form:** tags are made according to customer specification, it is possible to manufacture both empty tags and ready-made tags with printed information. Material thickness 600 ± 10 microns.
- **Standard color:** white, yellow.
- **Delivery form:** in rolls for printing on thermal transfer printers.
- **Indicators and test methods:**

Main settings	Test method	Value
UV resistance	ASTM G154	corresponds to
Combustibility	UL224	self-extinguishing
Flexibility at low temperatures	ASTM-D 2671 Method C	no cracking at -55 ° C
Destructive tensile force	ASTM-D 638	11N/mm ²
Elongation before breaking	ASTM-D 638	300%
Water absorption	ASTM-D 570	0,2%
Specific density	ASTM-D 792	1,40g/cm ³
Electrical strength	ASTM-D 2671	20kV/mm
Volume resistivity	ASTM-D 257	10 ¹⁶ ohm x cm
Heatstroke (4 hours at 250°C)	ASTM-D 2671	no dripping or cracking
Elongation after heat exposure (168h at 175°C)	ASTM-D 638	200%
Chemical resistance	AMS-DTL-23053/5	resistant
Copper corrosion	ASTM-D 2671 Method B	no corrosion

- **Testing of a tag with printed information (ribbon TMARK-ResT-DR, CAB printer)**

Main settings	Test method	Value
Resistance of the applied information to dry friction.	SAE AS81531	The inscription is clear, the contrast is high
Resistance of the applied information to the impact solvents:	MIL-STD-202G method 215K	
Alcohol gasoline mixture (+25°C)	3 cycles of 10 passes	The inscription is distinguishable after the test
Terpene solvent (+25°C)	3 cycles of 10 passes	The inscription is distinguishable after the test
Anti-icing fluid (+70°C)	3 cycles of 10 passes	The inscription is distinguishable after the test

- **Storage and transportation.**

- Transportation conditions in terms of the impact of climatic factors - 4 according to GOST 15150-69.
- Storage conditions in terms of the impact of climatic factors - 1 according to GOST 15150-69 at a distance of at least 2 meters from heating appliances in conditions that exclude exposure to water and corrosive media.
- During storage and transportation measures must be taken to protect the product from damage and contamination.

- **Production, completion, packaging and final quality control are carried out by UAB TML-LT.**
- **Warranty period of storage 2 years from the date of production.**