

TECHNICAL DATA SHEET

T-30F-M

Irradiation cross-linking EPDM Sheathing Material

Product Description

T-30F-M is a radiation crosslinked EPDM rubber sheath material suitable for elastic microphone cable rubber sheath. It has excellent flexibility and wear resistance, delicate hand feel, and environmental performance that meets ROHS2.0 and REACH standards.

Mechanical properties

No	Test Item	Unit	Standard	Typical	Test Method
1	Original mechanical and physical properties Tensile strength Elongation at break	≥MPa ≥%	5.0 250	6.2 380	UL62
2	Mechanical and physical properties after air thermal aging Temperature Time Tensile strength retention rate Retention rate of elongation at break	°C h ≥% ≥%	100±2 240 ±30 ±30	2 -8	UL62
3	Hot Set Test Temperature Load Time mechanical stress Thermal elongation rate Permanent deformation after cooling	°C min N/cm ² ≤% ≤%	200±3 15 20 175 25	15 3	IEC60811-507
4	Impact Brittleness Temperature	°C	-30	Pass	ASTM D746
5	Hardness	A	-	83	ASTM D2240

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T-30F-M**Processing Technics**

(1) This material can be extruded using a regular extruder with a length to diameter ratio (L/D); 15~25: 1,

(2) (2) Temperature setting: It is recommended to set the temperature at each point of the extruder as follows, and adjust it appropriately according to the equipment and extruded material status.

Zone	Zone 1	Zone 2	Zone 3	Zone 4	Head	Die
Temperature°C	50	90	90	90	100	100

(3) The recommended irradiation dose is around 13Mrad.