

# solvene® T EAP

## Ferrorelaxor Polymer

	solvene® T Unit	Test Method
Physical form	Powder	
VDF	63 mol %	
TrFE	28 mol %	
CTFE	9 mol %	
MW	300 KDalton	–
MFI	6 g/10 min	ASTM D1238
Melting temperature	115 °C	ASTM D3418
Crystallization temperature	85 °C	ASTM D3418
Curie temperature	16 °C	ASTM D3418
Glass transition	–18 °C	ASTM D3418
Density	1.7 g/cm <sup>3</sup>	ASTM D1895
Modulus	200 MPa	ASTM D638
Pr* (Remnant polarization)	<1 µC/cm <sup>2</sup>	
Coercive field	15 V/µm	
Actuation field (max)	250 V/µm	
Breakdown voltage	>300 V/µm	ASTM D150
εr (25 °C, 1 MHz)	45	ASTM D3418

\* Values obtained poling at 200 V/µm, 25-µm thick film with printed Pedot-PSS electrodes.

[www.solvay.com](http://www.solvay.com)

[SpecialtyPolymers.EMEA@solvay.com](mailto:SpecialtyPolymers.EMEA@solvay.com) | Europe, Middle East and Africa

[SpecialtyPolymers.Americas@solvay.com](mailto:SpecialtyPolymers.Americas@solvay.com) | Americas

[SpecialtyPolymers.Asia@solvay.com](mailto:SpecialtyPolymers.Asia@solvay.com) | Asia Pacific