

## TECHNICAL DATA SHEET

### PIEZOTECH RT™ TS POWDER

	ACCEPTANCE RANGES	GUIDELINE VALUES	METHOD
<b>COMPOSITION</b>			
VF2 RATIO ( $VF2/[VF2+VF3]$ , % mol)	<b>65 – 69</b>		<sup>1</sup> H & <sup>19</sup> F NMR
CTFE CONTENT (mol %)	<b>8 – 10</b>		
<b>THERMAL PROPERTIES</b>			
TM (°C)		115 – 130	DSC (10 mg) Second heat 10°C/min
ENTHALPY OF MELTING (J/g)		≥ 15	
<b>MOLAR MASS CHARACTERISTICS</b>			
MFI (230°C under 10 kg)	<b>1 – 6</b>		ASTM D1238
MW (kDA) Mass average molar mass		410 – 575	SEC Chromatography Solvent DMF Refractometric detection PS standard
MN (kDA) Number average molar mass		180 – 300	
PI Dispersity index ( $Mw/Mn$ )		2.0 – 2.3	
<b>FERROELECTRIC CHARACTERISTICS</b>			
REMNANT POLARIZATION ( $mC/m^2$ )		≤ 15	Measured at 150V/μm
COERCIVE FIELD (V/μm)		≤ 12	
SPONTANEOUS POLARIZATION ( $mC/m^2$ )		50	Capacity measurement at 1kHz
RELATIVE PERMITTIVITY		30	