

## TECHNICAL DATA SHEET

### PIEZOTECH RT™ FS POWDER

	ACCEPTANCE RANGES	GUIDELINE VALUES	METHOD
<b>COMPOSITION</b>			
VF2 RATIO (VF2/[VF2+VF3], % mol)	<b>65 – 69</b>		1H & 19F NMR
CFE CONTENT (mol %)	<b>7.5 – 9.5</b>		
VF2 CONTENT (mol %)		58 - 64	
VF3 CONTENT (mol %)		28 - 33	
<b>THERMAL PROPERTIES</b>			
TM (°C)		120 – 132	DSC
ENTHALPY OF MELTING (J/g)		≥ 14	(10 mg) Second heat 10°C/min
<b>MOLAR MASS CHARACTERISTICS</b>			
MFI (230°C under 10 kg)	<b>1 - 6</b>		ASTM D1238
MW (kDa) Mass average molar mass		425 – 625	SEC Chromatography Solvent DMF Refractometric detection PS standard
MN (kDa) Number average molar mass		170 - 300	
PI Dispersity index (Mw/Mn)		2.2 – 2.5	
<b>FERROELECTRIC CHARACTERISTICS</b>			
REMNANT POLARIZATION (mC/m²)		≤ 17	Measured at 150V/µm
COERCIVE FIELD (V/µm)		≤ 22	
SPONTANEOUS POLARIZATION (mC/m²)		≥ 65	Capacity measurement at 1kHz
RELATIVE PERMITTIVITY		45	