

# solvene® 200 EAP

## Electroactive Polymer

	Unit	solvene® 200/P200	solvene® 200/P400	Test Method
Physical form		Powder	Powder	
VDF	mol %	80	80	
TrFE	mol %	20	20	
MW	KDalton	200	400	–
MFI	g/10 min	25	0.6	ASTM D1238
Melting temperature	°C	145	146	ASTM D3418
Crystallization temperature	°C	119.5	120	ASTM D3418
Curie temperature	°C	134	133	ASTM D3418
Glass transition	°C	–37	–37	ASTM D3418
Density	g/cm <sup>3</sup>	1.7	1.7	ASTM D1895
Modulus	MPa	1,200	1,200	ASTM D638
d33* (measured by Berlincourt method at 110 Hz)	pC/N	–25	–25	
Coercive field	V/μm	65	65	
Poling field (min)	V/μm	150	150	
Poling field (max)	V/μm	250	250	
Remnant polarization (max)	μC/cm <sup>2</sup>	>8	>8	
Breakdown voltage	V/μm	>280	>280	ASTM D150
ε <sub>r</sub> (25 °C, 1 MHz)		11	11	ASTM D3418

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

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