

Supporting Information for
**Digital Strategies to Improve Product Quality and Production
Efficiency of Fluorinated Polymers: 2. Heat Removal
Performance of Reactor with Internal and External Cooling**

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Data Associated with Figures

Figure 1: No data associated.

Figure 2: No data associated.

Figure 3: No data associated.

Figure 4:

Data in Fig. 4b

	J	1:9	3:7	5:5	7:3	9:1	A
Region 1	331.4686	331.2182	331.1393	331.1159	331.0862	331.1156	331.2204
Region 1	331.3007	331.0622	330.9798	330.9628	330.926	330.985	331.2014
Region 3	331.0997	330.9277	330.8903	330.8937	330.8566	330.9724	331.3172

Data in Fig. 4c

	J	1:9	3:7	5:5	7:3	9:1	A
ΔT_{max} (K)							0.115
	0.3689	0.2905	0.249	0.2222	0.2296	0.1432	8

Data in Fig. 4d

	J	1:9	3:7	5:5	7:3	9:1	A
E_T (%)	0.03793	0.02769	0.02136	0.01936	0.0201	0.01408	0.01578

Data in Fig. 4e

	J	1:9	3:7	5:5	7:3	9:1	A
h_T (kJ/s)	179.8017	274.3714	299.8516	302.9219	317.818	284.4913	177.574
h_A (kJ/s)		100.2582	140.0977	153.5820	163.677	172.6280	177.5741
h_J (kJ/s)	179.8017	174.113	159.754	149.3398	154.141	111.863	

Figure 5: No data associated.

Figure 6: No data associated.

Figure 7: No data associated.

Figure 8:

Data in Fig. 8b

	10 rpm	30 rpm	60 rpm	120 rpm
Region 1	331.3711	331.1159	330.9068	330.7499
Region 1	331.1751	330.9628	330.8062	330.6987
Region 3	330.9982	330.8937	330.7727	330.6881

Data in **Fig. 8c**

	10 rpm	30 rpm	60 rpm	120 rpm
ΔT_{max} (K)	0.3729	0.2222	0.1341	0.0618

Data in **Fig. 8d**

	10 rpm	30 rpm	60 rpm	120 rpm
E_T (%)	0.03592	0.01936	0.01209	0.00583

Data in **Fig. 8e**

	10 rpm	30 rpm	60 rpm	120 rpm
h_T (kJ/s)	224.54159	302.92186	371.57004	426.52934
h_A (kJ/s)	100.16677	153.58203	205.64916	256.67224
h_J (kJ/s)	124.37482	149.33983	165.92088	169.8571

Figure 9: No data associated.

Figure 10: No data associated.

