

Article

High Performance PA 6/Cellulose Nanocomposites in the Interest of Industrial Scale Melt Processing

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Citation: Sridhara, P.K.; Vilaseca, F. High Performance PA 6/Cellulose Nanocomposites in the Interest of Industrial Scale Melt Processing. *Polymers* **2021**, *13*, 1495. <https://doi.org/10.3390/polym13091495>

Academic Editor: Giulia Fredi

Received: 20 April 2021

Accepted: 3 May 2021

Published: 6 May 2021

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Supplementary Materials

Table S1. Melt flow indices (MFI) and melt volume flow rate (MVR) for neat PA 6 and PA 6/CNF nanocomposites at different masses.

CNF Content (wt.%)		Mass						
		M1 (1.2 kg)	M2 (2.16 kg)	M3 (3.8 kg)	M4 (5 kg)	M5 (7.16 kg)	M6 (10 kg)	M7 (12.16 kg)
PA 6	MFI (g/10min)	4.74	9.07	16.95	22	34.63	55.33	-
	MVR (m ³ /s)	0.0069	0.013	0.025	0.032	0.051	0.08	-
5	MFI (g/10min)	4.66	8.76	14.85	19.38	28.46	39.76	-
	MVR (m ³ /s)	0.0066	0.013	0.022	0.028	0.041	0.058	-
15	MFI (g/10min)	-	-	13.48	17.08	22.63	33.53	41.98
	MVR (m ³ /s)	-	-	0.019	0.024	0.032	0.047	0.059
25	MFI (g/10min)	-	-	10.64	13.68	21.12	28.76	34.34
	MVR (m ³ /s)	-	-	0.015	0.019	0.029	0.04	0.047