

Corrigendum

Corrigendum to “Melt blown nanofibers: Fiber diameter distributions and onset of fiber breakup” [Polymer 48 (2007) 3306–3316]

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Unfortunately, the dimensions of the melt blowing die used in this work were inadvertently reported incorrectly. The correct dimensions are as follows: an air-gap distance (d_g) of 1.1 mm, a setback distance (d_s) of 2.4 mm, and an air-slot angle of 56° (see Fig. 1) were employed. All other dimensions are correct in the original publication. This correction will slightly impact the reported values for the air-to-polymer mass flux ratio (Γ) due to its dependence on the air-gap distance (d_g) (see Table 2 below). For clarity, a completely revised Table 2 is shown below. Other errors were also corrected in this revised version ($\rho_{\text{air}} = 1.20 \text{ kg/m}^3$ was used in the calculation of Γ).

Table 2
Summary of the melt blowing experiments

Run I.D.	T_p, T_a (°C)	η^* at 1 s^{-1} (Pa s)	m_p (g/min)	ϕ_a (SCFM)	Γ	d_{av} (μm)
PS-1	180	23	0.053	8	7.3	1.61
PS-2	260	1.6	0.068	7.5	5.4	0.62
PS-3	280	1.1	0.068	8	5.7	0.38
PP-1	180	35	0.35	6	0.8	1.23
PP-2	180	35	0.035	8	11.1	0.45
PP-3	220	15	0.035	8	11.1	0.30
PBT-1	265	137	0.35	4.5	0.6	1.22
PBT-2	265	137	0.035	10	13.9	0.44

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