

Erratum

Erratum to “Nylon 6 nanocomposites: the effect of matrix molecular weight”[☆]
[Polymer 42 (2001) 9929–40]

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The publisher regrets that there were errors present in the published version of the above article. We apologise for any inconvenience or embarrassment caused.

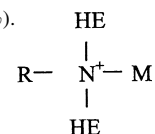
In Table 1, 34.6% should read 34.1%.

Table 1
Materials used in this study

Material [designation used here]	Supplier designation	Specification	Supplier
Nylon 6 [LMW]	Capron 8202	$\bar{M}_n = 16\,400^a$, MFI = 23.0	Honeywell (formerly AlliedSignal)
Nylon 6 [MMW]	Capron B73WP	$\bar{M}_n = 22\,000^a$, MFI = 4.5	Honeywell (formerly AlliedSignal)
Nylon 6 [HMW]	Capron B135WP	$\bar{M}_n = 29\,300^a$, MFI = 1.2	Honeywell (formerly AlliedSignal)
Organoclay [(HE) ₂ M ₁ R ₁] ^b	Bis(hydroxyethyl)-(methyl)-rapeseed quaternary ammonium organoclay	Organic loading = 95 mequiv./100 g clay, organic content = 34.1 wt%	Southern Clay Products

^a \bar{M}_n determined via intrinsic viscosity using *m*-cresol at 25 °C [35].

^b The substituents on the quaternary ammonium compound used to form the organoclay are identified in this shorthand notation where R = rapeseed, HE = hydroxyethyl, M = methyl. Rapeseed is a natural product composed predominantly of unsaturated C22 alkyl chains (45%).



Eq. (2) should appear as:

$$\% \text{organoclay}_{\text{NC}} = \% \text{MMT}_{\text{ash}} \left[\frac{\text{OC}}{100 - \text{OC}} - 0.065 \right] + \% \text{MMT} \quad (2)$$

[☆] PII of original article: S0032-3861(01)00552-3

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In Table 3, entry 3.4 should read 304.

Table 3
Select mechanical properties for nylon 6 (HE)₂M₁R₁ organoclay nanocomposites

Nylon 6 (HE) ₂ M ₁ R ₁ organoclay nanocomposites	Modulus (GPa)	Yield strength (MPa)	Strain at yield point ^a (%)	Elongation at break (%)		Izod impact strength (J/m)
				Crosshead speed 0.51 cm/min	Crosshead speed 5.1 cm/min	
<i>LMW</i>						
0.0 wt% MMT	2.82	69.2	4.0	232	28	36.0
3.2 wt% MMT	3.65	78.9	3.5	12	11	32.3
6.4 wt% MMT	4.92	83.6	2.2	2.4	4.8	32.0
<i>MMW</i>						
0.0 wt% MMT	2.71	70.2	4.0	269	101	39.3
3.1 wt% MMT	3.66	85.6	3.5	81	18	38.3
7.1 wt% MMT	5.61	95.2	2.4	2.5	5	39.3
<i>HMW</i>						
0.0 wt% MMT	2.75	69.7	4.0	304	129	43.9
3.2 wt% MMT	3.92	84.9	3.3	119	27	44.7
7.2 wt% MMT	5.70	97.6	2.6	4.1	6.1	46.2

^a Strain measured during modulus and yield strength testing using a cross speed of 0.51 cm/min.