

Effect of evening primrose (*Oenothera biennis*) oil cake on the properties of polyurethane/polyisocyanurate bio-composites

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Table S1. TGA results of foams modified by EPC and reference foam without EPC.

Sample	T ₅ (°C)	T ₁₀ (°C)	T _{max} (°C)	The highest mass loss (%/°C)	The highest mass loss rate (%/min)	Residue (%)
EPC0	222	254	342	0.47	4.7	21
EPC5	196	243	337	0.47	4.7	16
EPC10	188	232	335	0.49	4.9	16
EPC15	186	225	335	0.50	5.0	15
EPC20	181	218	335	0.52	5.2	15
EPC25	175	211	334	0.53	5.3	15
EPC30	168	207	334	0.54	5.4	14
EPC35	160	203	333	0.55	5.5	14
EPC40	153	199	332	0.57	5.7	13
EPC45	149	196	332	0.58	5.8	13
EPC50	145	191	332	0.59	5.9	12

Table S2. DSC results of EPC0, EPC5 and EPC50 foams.

Foam	Peak P1				Peak P2				Peak P3			
	T _{onset1} (°C)	T _{max1} (°C)	T _{offset1} (°C)	H ₁ (J/g)	T _{onset2} (°C)	T _{max2} (°C)	T _{offset2} (°C)	H ₂ (J/g)	T _{onset3} (°C)	T _{max3} (°C)	T _{offset3} (°C)	H ₃ (J/g)
EPC0	41.2	98.5	155.1	68.2	191.1	249.2	322.1	55.9	322.9	347.4	361.5	9.9
EPC5	12.4	79.2	135.5	90.3	260.9	292.7	322.8	43.5	322.8	336.8	350.1	14.2
EPC50	2.9	99.9	176.1	29.5	185.2	254.1	305.7	20.1	306.5	324.8	340.9	4.9