

Supporting Information

저분자량 폴리올 혼합에 따른 폴리우레탄 폼의 흡음특성

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Acoustic Properties of Polyurethane Foams Including Low Molecular Weight Polyol

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Table S1. Actual formulation details for fabrications of flexible PU foams.

Materials			Samples (g)							
			L00	L25	L50	L75	L00D	L25D	L50D	L75D
Polyol system	Polyol	PPG6000	121.95	106.58	85.13	53.08	121.95	106.58	85.13	53.08
		TF400	0.00	2.46	5.90	11.02	0.00	2.46	5.90	11.02
	Gelling cat.	DBTDL	-	-	-	-	0.12	0.13	0.17	0.21
		DABCO 33LV	0.88	1.02	1.23	1.53	0.88	1.02	1.23	1.53
	Blowing cat.	DABCO BL11	0.10	0.11	0.14	0.17	0.10	0.11	0.14	0.17
	Blowing agent	Water	4.88	5.68	6.81	8.49	4.88	5.68	6.81	8.49
	Crosslinking agent	DEOA	0.73	0.85	1.02	1.27	0.73	0.85	1.02	1.27
	Silicon surfactant	L-3002	1.61	1.88	2.25	2.80	1.61	1.88	2.25	2.80
Isocyanate	CG-3701S ^a		69.86	81.41	97.53	121.63	69.86	81.41	97.53	121.63

^a NCO index: 1.0.

Table S2. Ratio of pore shape manufactured with low molecular weight polyol.

Pore shape	L00	L25	L50	L75	L00D	L25D	L50D	L75D
Open pore	0.831	0.924	0.974	0.633	0.966	0.975	0.989	0.535
Partial pore	0.091	0.046	0.024	0.122	0.032	0.025	0.011	0.198
Closed pore	0.079	0.031	0.002	0.245	0.002	0.000	0.000	0.267