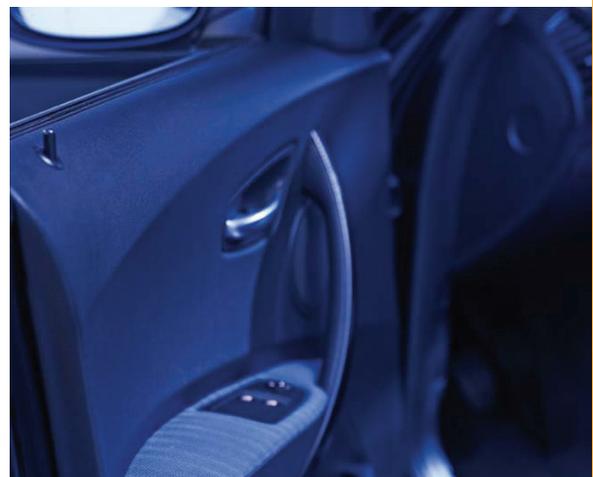


Solutions for

Engineering applications Automotive – interior



 **BOREALIS**

SHAPING *the* FUTURE with PLASTICS

Solutions for engineering applications

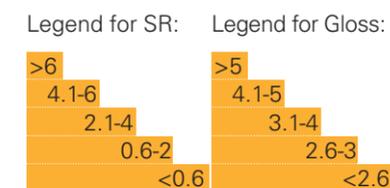
Automotive – interior



Grade	Fiber content [% indic.]	Density [kg/m³]	MFR 230°C/2.16kg [g/10 min]	Stress at yield [N/mm²]	Tensile modulus tensile [MPa]	Impact, Charpy notched, 23°C [kJ/m²]	Impact, Charpy notched, -20°C [kJ/m²]	HTD B, (0.45 MPa) [°C]	Typical shrinkage* [%]	Scratch resistance, low dL (fine grain 10N) high	Gloss high fine grain, 60° low	Typical applications
Copolymer												
BC612WG	-	900	5	24	1100	9	4	70	1.3	n. r.	n. r.	Under the bonnet component parts
BE677AI	-	905	14	26	1500	9	4.5	110	1.5			Door cladding; interior cladding
BF970MO	-	905	20	27	1500	8.5	4.5	105	1.5			Door cladding; interior cladding
BH345MO	-	905	45	26	1400	6.5	4	95	1.4			Trunk cladding
Microcomposites												
Borcom™ BG055AI	-	920	22	35	2000	4	1.5	108	1.5			Climate control housings, trunk cladding
Borcom™ WG140AI	10	980	20	37	2600	3.5	1.5	115	1.2	n. r.	n. r.	Functional parts, back injection moulded claddings
Homo mineral												
MD231U	20	1050	6	36	2900	3	1.2	125	1.1	n. r.	n. r.	Under bonnet covers, heater case
ME212U	20	1050	12	35	3300	2.5	1.2	125	1.1	n. r.	n. r.	Climate control units, interior trims
MS64T20	20	1070	22	34	3000	2.5	1.2	120	1.1	n. r.	n. r.	Cowl vent grill
PS65T20	20	1040	23	32	2500	2.5	1.2	126	1.1	n. r.	n. r.	Door insert; trunk cladding
MG302AI	30	1140	24	32	3600	1.5	1.2	125	0.9	n. r.	n. r.	Door insert; trunk cladding
MD441U	40	1220	6	32	3800	3	1.2	132	0.85	n. r.	n. r.	Under bonnet parts
Copo mineral												
MC55T1	10	970	13	26	2000	7	3	114	1.3			Interior panels, tailgate cladding
ME266U	20	1050	12	28	2500	4.5	2.3	132	1.1			Door panels, interior trims
MSC65T20	20	1050	12	28	2500	4.5	2.3	132	1.1			Door panels, interior trims
Daplen™ MSC65T20AI	20	1050	12	27	2400	6	3.5	115	1.05			Centre console, interior trims
FSC65T30	30	1150	5	25	3000	7	2.5	125	0.9			Interior panels
PSC63T20	22	1070	22	26	2400	4	2.5	109	1.2			Interior panels
TPO compound interior												
Daplen™ ED135AI	10	950	6	18	1400	55	6	87	1.1			Instrument panel parts
Daplen™ ED206HP	25	1060	7	20	1900	20	5.2	120	0.6			Dashboard, seat cladding
Daplen™ EE137HP	10	980	11	21	1600	22	3.6	98	0.95			Interior trims, door panels
Daplen™ EE138AI	15	1000	15	20	1600	25	5	95	0.95			Interior trims, door panels, consoles, trunk cladding
Daplen™ EE188AI	15	1030	11	22	1800	17	4.5	99	1			Dashboard, door panels
Daplen™ EE260AI	20	1070	14	23	2300	20	4	97	0.9			Dashboard, interior trims
Daplen™ EG102AI	15	990	26	20	1900	20	3	100	0.95			Door panels, low pressure moulding
Daplen™ KSR65T20	20	1040	6	20	1700	11	3	98	1			Centre console, pillars, door cladding
Daplen™ KSX65T20	20	1010	6	20	1600	25	4.3	91	1			Multispot, pillar trims, door cladding
Glass fibre reinforced												
GB205U	20	1040	2.2	80	4800	10.5	7.5	154	0.8	n. r.	n. r.	Air filters, bumper bracke
GB311U	30	1120	2	85	6500	13	8.6	159	0.7	n. r.	n. r.	Air filter, brackets, UTB parts
GD310U	30	1120	10	85	7200	13	9.6	159	0.6	n. r.	n. r.	Under the bonnet parts
Nepol™ GB303HP	30	1120	-	115	7500	23	26	165	0.5	n. r.	n. r.	Structural interior component parts
Nepol™ GB615HP	60	-	-	-	-	-	-	-	-	n. r.	n. r.	PP-LGF concentrate for dilution technology

*) Shrinkage values are measured on injection moulded discs, data on other items may vary because of other moulding conditions. These values may not be used for design of tools, pre-trials on similar moulds are strictly recommended.

n. r.: not relevant



Solutions for engineering applications

Automotive – interior

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