
Summary Data Sheets

Optimised performance and surface aesthetics



BOREALIS

بروج

Borouge



Fibremod™ Solutions

	Filler Content [wt%]	Density [kg/m ³]	MFR 230°C/2,16kg [g/10']	Tensile Modulus [MPa]	Tensile Stress at Yield [MPa]	Impact, Charpy notched 23°C [kJ/m ²]	Impact, Charpy notched -20°C [kJ/m ²]
Short glass fibre reinforced							
Fibremod GB205U	20	1,040	2	4,800	75	10	8
Fibremod K65G2	20	1,040	6	5,500	85	8	7
Fibremod GE277AI	20	1,040	12	4,900	85	11	9.5
Fibremod GB311U	30	1,120	2	6,800	97	11	9
Fibremod GD310U	30	1,130	7	7,200	105	10	9
Fibremod GD302HP	30	1,160	3.5	5,600	65	24	13
Fibremod GD301FE	30	1,140	4	7,500	110	12	10
Fibremod GB306SAF	35	1,180	2	9,000	118	11	10
Fibremod GB307HP	35	1,180	2	9,000	118	11	10
Fibremod GB477HP	40	1,230	2.5	10,000	134	12	11
Fibremod WC377HP	GF / MF	1,150	5	6,250	70	7	
Fibremod WE380HP	GF / MF	1,130	13	4,950	56	16	10
Long glass fibre reinforced							
Fibremod GB215HP	20	1,040	2	5,300	105	19	22
Fibremod GB303HP	30	1,120	2	7,400	125	23	26
Fibremod GB402HP	40	1,240	2	9,000	140	28	32
Fibremod GB601HP	60	1,470	n.a	14,100	135	25	20
Direct LFT and LGF dilution							
BJ400HP	-	905	90	1,350	25	4.5	2.2
HK060AE	-	905	125	1,550	35	1	0.9
BJ998MO	-	903	100	1,400	25	5	3
HJ120UB	-	905	75	1,600	-	1	12
BH348MO	-	903	50	1,050	21	11	6

HDT B (0.45Mpa) [°C]	Typical Applications
154	Engine covers, fans and shrouds, bumper brackets
160	Climate controls, pump housings
155	Instrument panel carriers, structural parts
159	Air filter housings, lamp housings
159	Under-the-bonnet parts
155	Seat structures, interior structural carriers
158	Pedal carriers, front-end carriers, lower bumper stiffeners
160	Air intake manifolds
160	Engine covers, fans and shrouds, e-boxes, air intake manifolds
155	Front-end carriers, gear housings, pedal carriers
155	Airbag containers, engine covers, air filter housings
155	Gear housings, engine covers, structural carriers
158	Structural carriers, frontend carriers, instrument panel carrier, door module carrier
165	Structural carriers, frontend carriers, instrument panel carrier, door module carrier
166	Structural carriers, frontend carriers, instrument panel carrier, door module carrier
167	Structural carriers, frontend carriers, instrument panel carrier, door module carrier
88	Compounds for direct LFT and PP-LGF dilution
91	Compounds for direct LFT and PP-LGF dilution
102	PP-LGF dilution
87	Compounds for direct LFT and PP-LGF dilution
86	PP-LGF dilution

Automotive Interior and Under-the-bonnet Solutions

	Filler Content [wt%]	Density [kg/m ³]	MFR 230°C/2,16kg [g/10']	Flexural Modulus [MPa]	Tensile Stress at Yield [MPa]	Impact, Charpy notched 23°C [kJ/m ²]	Impact, Charpy notched -20°C [kJ/m ²]
Copolymer							
BE677AI	-	905	14	1,450	26	8	4
EG066AI	-	905	22	1,000	20	38	8
Borcom BG055AI	2.5	920	22	1,850	35	3.5	1.5
BJ380MO		906	80	1,250	25	5	4
BHC5012C	-	910	0.3	1,350	27	75	4.5
BC245MO		905	4	1,250	25	15	7
BC545MO		908	3	1,200	12	12	6
BD310MO		905	8	1,350	9	9	4.5
Homo Mineral							
MD231U	20	1,050	6	2,700	36	3	1.2
ME212U	20	1,050	13	3,100	32	3	1.5
PS65T20	20	1,050	23	2,700	32	2.5	1.5
MS64T20	20	1,070	22.5	3,200	32	2.3	1.2
MD441U	40	1,220	6	4,700	32	2.4	1.2
Copo Mineral							
MG160AI	10	985	22	1,950	25	7.5	3.5
ME266U	20	1,050	12	2,500	28	6	2.5
ME268AI	20	1,050	12	2,400	26	6	2.5
EF267AI	20	1,040	16	2,500	27	6.5	2.8
FSC65T30	30	1,150	5	3,000	23	7	2.5
TPO Compounds							
Daplen EE058AI	9	950	12	1,700	17	25	5
Daplen EE168AI	10	960	14	1,750	20	25	5
Daplen EG163AI	10	960	25	1,400	19	45	6
Daplen EE158AI	13	980	11	1,750	23	25	5
Daplen EE189HP	15	1,000	13	1,750	21	26	3.5
Daplen EE288HP	20	1,040	12	2,050	23	16	3
Daplen EE250AI	20	1,040	13	2,000	22	30	3.5
Daplen EF261AI	20	1,040	14	1,800	18	45	4.6
Daplen EG273HP	17	1,020	20	2,000	22	20	4
Daplen EG265HP	20	1,040	21	1,800	18	55	6
Natural Fibre							
NJ200AI	20	975	18	2,500	33	4	1.5
NJ201AI	20	975	23	2,150	30	4	1.5

HDT B (0.45Mpa) [°C]	Shrinkage indication [%]	Typical Applications
100	1.5	Door claddings, interior claddings
81	1.5	Door claddings, interior claddings
108	1.5	Climate control housings
93	1-2	Under-the-bonnet parts
	1.9	Brake fluid reservoir, heating housings
90	1-2	Battery cases
90	1.5	Battery cases
92	1-2	Battery cases
125	1.1	Climate control parts
120	1.1	Climate control parts, interior trims
110	1.1	Door inserts, claddings
120	1.1	Interior and under-the-bonnet parts
132	0.9	Structural parts
110	1.2	Interior trims
115	1.1	Structural parts
100	1.1	Interior trims
105	1.1	Interior trims
125	0.9	Structural parts
95	1.0	Dashboards, door claddings
97	1.1	Dashboards, door claddings
92	1.1	Dashboards, door claddings
95	1.0	Dashboards, door claddings
94	1.0	Dashboards, door claddings
95	0.9	Dashboards, door claddings
94	0.8	Dashboards, door claddings
94	0.7	Dashboards, door claddings
110	1.1	Dashboards, door claddings
97	0.7	Dashboards, door claddings
136	1.1	Non visible interior / under-the-bonnet parts
126	1.1	Visible interior / under-the-bonnet parts

Automotive Exterior Solutions

	Filler Content [wt%]	Density [kg/m ³]	MFR 230°C/2,16kg [g/10']	Tensile Modulus [MPa]	Tensile Stress at Yield [MPa]	Impact, Charpy notched 23°C [kJ/m ²]	Impact, Charpy notched -20°C [kJ/m ²]
Copolymer							
EE002AE	-	905	11	950	19	65	9
EF015AE	-	905	18	870	19	35	7
Borcom™ WE007AE	-	925	12	1,200	20	35	5.5
TPO Compound							
Daplen™ EF005AE	10	950	25	1,060	16	52	6
Daplen™ EE103AE	10	950	12	1,400	19	50	7
Daplen™ EF155AE	10	950	16	1,400	20	35	5
Daplen™ EH104AE	10	970	40	1,150	16	31	5.5
Borcom™ WH107AE	13	980	40	1,600	19	47	6
Daplen™ EF119AE	15	990	23	1,650	19	55	7
Daplen™ EG134AE	15	1,005	30	1,700	20	45	7
Daplen™ EF150HP	15	1,005	22	2,000	23	23	5
Daplen™ ED230HP	20	1,050	10	1,800	19	30	4
Daplen™ EE209AE	20	1,040	13	1,400	16	65	20
Daplen™ EF209AE	20	1,040	22	1,600	17	60	6.5
Daplen™ EH227AE	20	1,040	40	1,450	16	42	6
Daplen™ EF109AE	20	1,040	20	1,400	16	38	5
Daplen™ EH221AE	20	1,060	30	2,100	21	30	5
Daplen™ EE340AE	30	1,140	12	1,500	16	49	4.6
Daplen™ EF341AE	30	1,140	15	3,100	25	7.5	2.5
Daplen™ EE342AE	30	1,140	15	2,200	19	29	3.5
Performance masterbatch							
WN501AE	50	1,350	-	-	-	-	-
WN505AE	50	1,350	-	-	-	-	-

HDT B (0.45Mpa) [°C]	CLTE (-30/+80°C) [µm/mK]	Shrinkage indication [%]	Typical Applications
76	100	1.45	Bumpers, exterior trims
68	86	1.5	For open compound solution
89	65	0.8	Bumpers, rocker panels, exterior trims
85	65	0.8	Bumpers, exterior trims
92	72	1.15	Bumpers, exterior trims
90	74	1.05	Bumpers, exterior trims
80	68	0.8	Bumpers, exterior trims, stone protectors
98	70	0.8	Bumpers, rocker and body panels, trims
101	50	0.72	Bumpers, exterior trims
100	56	0.85	Bumpers, rocker panels, trims
110	54	0.7	Body and rocker panels, bumpers, trims
105	52	0.8	Body and rocker panels, tailgates, bumpers, trims
93	43	0.5	Bumpers, exterior trims
90	45	0.65	Bumpers, exterior trims
86	49	0.55	Rocker panels, exterior trims
90	47	0.7	Bumpers, spoilers, exterior trims
98	55	0.68	Bumpers, exterior trims
101	30	0.5	Rocker panels, grills
123	54	0.75	Body panels, fenders, tailgates
100	50	0.6	Grills, spoilers, tailgates, other exterior
-	-	-	For open compound solution
-	-	-	For open compound solution

