

Solutions for Automotive and appliances Asia and Pacific region



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Borealis and Borouge – leading, innovative plastics providers

Borealis and Borouge are leading providers of innovative, value creating plastics solutions. With more than 40 years of experience in polyolefins and using our unique Borstar® technology, we focus on the infrastructure, automotive and advanced packaging markets across Europe, the Middle East and Asia. Our production facilities, innovation centres and service centres work with customers in more than 170 countries to provide materials that make an essential contribution to society and sustainable development. We are committed to the principles of Responsible Care® and to leading the way in 'Shaping the Future with Plastics'™.

The Business Unit Automotive and Appliances specialises in supplying advanced polyolefin plastics to leading manufacturers in the automotive component, household appliances and white goods industries. Through leading Borealis technologies and an extensive product portfolio including Daplen™, Borcom™ and Nepol™, Borealis has established a leading position on the automotive and appliance market across Europe and South America.

Borealis and Borouge believe that customer-driven innovation is the only way to achieve and sustain progress. Through foresight and focus on customer needs, we continue to provide innovative solutions for the automotive and appliance industry that add real value throughout the value chain. We also know the high value that our customers in the automotive and appliance industry place on quality and product consistency. We pride ourselves on the performance of our products, and through ongoing investment in upgrades and new plant programmes, we continue to set new records for output efficiency and product reliability.

Borealis and Borouge believe that responsiveness is the foundation of fruitful customer partnerships. Business Unit Automotive and Appliances ensures this through the resources of strategically placed Borealis hubs across Europe: Borealis Belgium, Borealis Central Europe and Monza (Italy) and 2 compounding facilities in Brazil, as well as an innovation centre in Linz, a strong sales force across Europe and close cooperation with its joint venture partner Borouge for Middle East and Asia.

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Brand	Grade	Filter content [%]	Density [kg/m³]	MFR 230°C/2.16 kg [g/10 min]	Stress at yield [MPa]	Tensile modulus = flex.mod (f) [MPa]	Impact, Charpy notched 23°C [kJ/m²]	Impact, Charpy notched -20°C [kJ/m²]	HDT B [°C]	Typical shrinkage [%]	CLTE (-30 to +80°C) flow/trans	OEM approvals	Typical applications	Special features
Homopolymer														
	HB601WG	n.r.	908	2.2	34	1,400	5	-	84	1.6		MAN M3165-P2; VW TL44045PP1-2-3	Heat exchanger, blow moulded parts	High heat and detergent resistant stabilised
	HF700SA	n.r.	908	21	34	1,500	3.5		94	1.5		Philips	Household appliances	High heat stabilised, antistatic, excellent surface quality with high gloss
	HJ060UB	n.r.	910	50	35	1,550	2	1.2	96		110	VW TL 52380	Compound for direct LFT	High heat stabilised and chemical coupling agent for glass fibre
Copolymer														
	BHC5012C	n.r.	905	0.3	27	1,150	60	4	80	1.9	82	BMW N60100.0; DC DBL5404.11; Ford WSK-M4D741A1; GM QK003711	Brake fluid reservoirs	High heat and copper stabilised
	BB125MO	n.r.	906	1.3	24	1,300	50 (PB)						Blow moulded parts	
	BC612WG	n.r.	905	5	24	1,100	9	4	70	1.6		GM QK003741; SAAB STD 518770, 518051-2; Volvo 91116-2	Parts for washing machines	High heat and non-yellowing detergent resistant stabilised
	BE677AI	n.r.	905	14	26	1,500	9	4.5	110	1.5		DC DBL 5416.07; Fiat PP55.70HC; VW TL 52452; GM QK 003742	Door cladding, interior trims	Antistatic
	BF355SA	n.r.	904	20	26	1,400	8	5	95	1.6		Philips	Vacuum cleaner parts	Excellent processability, high dimensional stability, antistatic
Microcomposites														
Borcom™	BG055AI	n.r.	920	22	35	2,000	4	1.5	108	1.5		BMW; PSA; Renault; DC DBL 5404.00; Fiat PP 60.40 HC; GM QK 003642	Climate control housing, trunk cladding	High heat stabilised
Borcom™	WG140AI	10	980	20	37	2,600	3.5	1.5	120	1.2			Functional parts, back injection moulded claddings, parts for washing machines	High heat and detergent stabilised
Mineral filled														
	MD231U	20	1,050	6	36	2,700 (f)	3	1.2	125	1.1		Fiat PP 70.30; Volvo 91116-7; VW TL 44045 PP6; DC DBL 5404.00; GM QK 003811	Under the bonnet covers, heater housings	Good dimensional stability, high heat stabilised
	PS65T20	20	1,040	23	32	2,800	2.5	1.2	126	1.1		VW TL 44045 PP6; BMW N60100.0	Door insert, trunk cladding	
	ME266U	20	1,050	12	28	2,500 (f)	6	2.5	110	1.1		GM QK 003853, QK 003861; Volvo 91116-6; DC DBL 5404.00; VW TL 44045 PP6; SAAB STD 518246-2	Door cladding, interior trims	High heat stabilised
	MD441U	40	1,220	6	32	3,800	3	1.2	132	0.9			Under the bonnet parts, air condition housings	High heat stabilised
TPO mineral filled														
Daplen™	EE002AE	n.r.	905	11	19	950	70	11	75	1.4	100	PSA	Bumper, exterior trims	
Daplen™	ED135AI	10	950	6	17	1,400	55	6	87	1.1			Instrument panel parts, door panel	
Daplen™	EE103AE	10	950	12	19	1,400	60	6	92	1	72	Fiat PP 45.450; Renault	0-gap bumper	Excellent paint adhesion and excellent stiffness
Daplen™	VB4411	10	950	12	16	1,200	35	6	81	0.8	65	GM QK 001092; VW TL 52035B, TL 52631/WVD01, Smart	Bumper	
Daplen™	EE157AI	13	980	11	23	1,700	25	5	95	1.0			Door panel	Scratch resistance
Daplen™	EE188AI	17	1,030	11	22	1,850	16	4.5	100	1		PSA; Volvo	Dashboard, door panel	Very good scratch resistance
Daplen™	KSR65T20	20	1,040	6	21	1,700	11	3	98	1		BMW; GM QK 004032; DC MS DB-563D; Volvo 91116-4; VW TL 52388	Centre console, pillars, door cladding	
Daplen™	KSX65T20	20	1,010	6	20	1,600 (f)	25	4.3	91	1		GM QK 004022 (Z); DC DBL 5404.00	Pillar trims, door cladding	Multi-spot
Daplen™	EE260AI	20	1,070	14	23	2,300	20	4	97	0.9			Dashboard, interior trims	High scratch resistance
Daplen™	EF209AE	20	1,040	21	14	1,500	51	-	-	0.7	-	GM W15187 draft	Bumper, rocker panel	High flowability, very low CLTE
Daplen™	KB4436	30	1,120	20	16	2,100	13	3.5	95	0.6	32	Audi; PSA; Renault; GM QK 001090, QK 001091; VW TL 52631-/WVD06, TL 52283A	Window frame, body side mouldings, rocker panel	Very low thermal expansion, excellent scratch resistance
Glass fibre reinforced														
	GB205U	20	1,040	2	80	4,850	10.5	7.5	154	0.8	23/102	BMW GS 93016; DC MS-DB 580; GM QK 003822; VW TL 44045 PP9	Engine covers, fans and shrouds, bumper brackets; boxes, trays, air filters	Long-term heat resistance
	GD310U	30	1,120	10	95	7,200	11	9.5	159	0.7	24/100	Volvo 91116-9	Air filter cases, lamp housings	
Xmod™	K65G2	20	1,060	7	86	4,400 (f)	7	5.7	160	-	-	BMW; DC; Volvo	Climate control blower wheel	General purpose, low emission
Xmod™	GD301HP	30	1,150	4	108	8,100	9.5	8.5	152	-	-	155.80 HC, GM	Under the bonnet parts, pedalry	Excellent mechanical balance
Nepol™	GB303HP	30	1,120	2	120	7,400	23	26	165	0.5	18/100		Structural interior component parts, front end, seat structures, door module carrier, instrument panel carrier	Excellent stiffness/impact balance, very high dimensional stability