

Solutions for

Engineering applications Appliances



 **BOREALIS**

SHAPING *the* FUTURE with PLASTICS

Solutions for engineering applications

Appliances



Grade	Filter content [%]	MFR 230°C/2.16kg [g/10 min]	Density [kg/m³]	Tensile modulus = flex.mod (f) [MPa]	Impact, Charpy notched 23°C [kJ/m²]	HDT B [°C]	Typical shrinkage [%]	UL94HB	UL-listing UL746B	UL746A	Special properties	Typical applications
Homopolymer												
BE50	n.r.	0.25	905	1400	8	98	1.8	•	•		High heat stabilised, excellent combination of impact strength and stiffness	Blow moulded parts
HB601WG	n.r.	2.2	908	1400	5	84	1.6	•	•	•	High heat stabilised and detergent resistant	Injection and blow moulded parts, e.g. heat exchanger
HD003WG	n.r.	8	908	1500	3	83	1.6				General purpose	Injection moulded parts, e.g. for washing machines
HF700SA	n.r.	21	908	1500	3.5	94	1.5	•	•	•	Long term heat stabilised, antistatic, excellent surface quality with high gloss	Beverage machine housings
HF006SA	n.r.	20	920	2100	2.5	121	1.6	•	•	•	HCCP, long term heat stabilised, antistatic, high gloss surface quality at high stiffness	Beverage machine housings
Copolymer												
BC250MO	n.r.	4	904	1200	20 (PB)	90	1.6				General purpose	Parts for vacuum cleaners
BC612WG	n.r.	5	900	1100	9	70	1.6	•	•		High heat stabilised, detergent resistant, non yellowing	Parts for washing machines
BE677AI	n.r.	14	905	1500	9	110	1.5	•	•		HCCP, antistatic, excellent balance between impact strength and stiffness, excellent surface properties	Parts for washing machines
BF355SA	n.r.	20	904	1400	8	95	1.6	•			Nucleated, antistatic, excellent processability, high dimensional stability, high gloss	Parts for vacuum cleaners
BG055AI	n.r.	22	920	2000	4	108	1.5	•	•		HCCP, long term heat stabilised, high stiffness and impact resistance, high gloss	Aesthetic parts for vacuum cleaner
Random copolymer												
RD360MO	n.r.	8	905	1250	6	82	1.7	•	•		Nucleated, antistatic, very high clarity	Level indicators, transparent parts
RF365MO	n.r.	20	905	1150	5.5	80	1.6	•	•		Nucleated, antistatic, very high clarity	Level indicators, transparent parts
RJ370MO	n.r.	45	905	1050	5	73	1.6				Nucleated, antistatic, very high clarity	Level indicators, transparent parts
Microcomposites												
Borcom™ WG140AI	10	20	980	2600	3.5	120	1.2	•	•	•	High heat and detergent stabilised, excellent stiffness impact balance at low density	Functional and aesthetic parts in white goods
Homo mineral filled												
FS65T20	20	6	1040	2800 (f)	2.3	121	1.2	•	•	•	High heat and detergent resistance	Tubs, detergent trays
MD231U	20	6	1050	2700 (f)	3	125	1.1	•	•	•	Long term heat stabilised, good dimensional stability, easy to colour	Trays, motor housings, hand grips
ME212U	20	12	1050	2630 (f)	2.5	125	1.1	•	•		High heat stabilised, good impact/stiffness balance and easy flow	Boxes, frames, trays, housewares
MB350WG/MB351WG	30	2.5	1130	2950	4.5	122	0.9	•	•		Excellent impact/stiffness balance, special (MB350WG) detergent standard (MB351WG) stabilisation package for dishwasher	Dishwasher basement and interior parts
MB471WG	40	2	1230	3700 (f)	4.6	-	0.9	•	•		High heat and detergent resistance	Interior parts for washing machines
MD441U	40	6	1220	3800	3	132	0.9	•	•	•	Long term heat stabilised	Air condition housing
PS65C40	40	16	1230	2800	2.1	113	1.2				Antistatic, good surface quality	Covers, washing machine door frames
Copo mineral filled												
ME266U	20	12	1050	2500 (f)	6	110	1.1	•	•		High heat stabilised, good impact/stiffness balance and easy to colour	Motor housings, filter covers, handles etc. for vacuum cleaner
Glass fibre reinforced												
GB205U	20	2	1040	4850	10.5	154	0.8	•	•	•	High heat stabilised, detergent resistant, high impact and good dimensional stability	Boxes, trays
GB364WG	30	1.9	1120	7000	12	159	0.7	•	•		High heat, detergent resistance, high impact and dimensional stability	Washing machine tubs, structural parts (metal replacement)
Nepol™ GB303HP	30	2	1120	7400	23	160	0.5				High heat stabilised, long fibre reinforced PP, excellent mechanical properties	Deep fat fryer, structural parts
Nepol™ GB402HP	40	2	1240	9000	28	162	0.4				High heat stabilised, long fibre reinforced PP, excellent mechanical properties	Metal replacement, structural parts

(PB) Partial Break
n.r.: not relevant

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