



**BLOCK COPOLYMERS
AND TRANSITION GRADES**

MOSTEN[®]

**P P
M O S T E N[®]**

Product portfolio



**HOMOPOLYMERS
AND RANDOM COPOLYMERS**

PP MOSTEN®

HOMOPOLYMERS AND RANDOM COPOLYMERS

The table contains informative values of parameters that do not represent specifications of given grade.

PP MOSTEN®	MFR 230 °C/ 2.16 KG	MOULDING SHRINKAGE		YIELD STRESS	ELONGATION AT BREAK	FLEXURAL MODULUS OF ELASTICITY	NIS CHARPY		HDT 1.8 MPA	VST 10 N	STABILIZATION	PROCESSING TECHNOLOGY	MAIN RECOMMENDED APPLICATION
	g/10 min	Parallel (%)	Normal (%)	MPa	%	MPa	AT 23 °C	AT -20 °C	°C	°C			
							kJ/m²						
	ISO 1133-1	ISO 294-3,4		ISO 527-1,2		ISO 178	ISO 179-1						
Homopolymers													
GH 001	1	-	-	34	> 200	1600	8	-	56	156	Basic	Extrusion, blow moulding	Sheets, profiles, non-pressure pipes, tapes, compounds
TB 002	2	1.6	1.6	35	150	1700	6.5	-	57	155	Anti-gas-fading	Extrusion, thermoforming, injection moulding	High-strength monoaxially oriented tapes, string
TB 003	3.2	1.5	1.6	34	200	1550	5.6	-	55	154	Anti-gas-fading	Extrusion, thermoforming, injection moulding	High-strength monoaxially oriented tapes, string
GB 005	5	1.4	1.5	35	250	1700	4.3	-	57	155	Anti-gas-fading	Extrusion, thermoforming, injection moulding	Staple fibres, non-wovens, food packages
FT 005	5	1.5	1.4	38	90	1900	4.2	-	60	156	Antistatic, transparent	Thermoforming	Highly transparent food packages
GB 107	7	1.5	1.5	36	100	1750	4	-	57	154	Basic	Injection moulding	Injection moulded products, compounds
NB 108	8	1.5	1.5	35	150	1750	3	-	57	154	Anti-gas-fading	Fibre extrusion, injection moulding	Multifilament, staple fibre, IM of household and technical parts
FC 108	8	1.4	1.4	34	200	1500	3.5	-	54	155	Slip agent	Film extrusion	Flat film, office products
FC 110	10	1.4	1.5	33	250	1400	3.5	-	53	155	Antiblock + slip agent	Film extrusion	Flat film, office products
NB 112	12	1.7	1.6	35	150	1750	3	-	57	154	Anti-gas-fading plus	Fibre extrusion, injection moulding	Multifilament, staple fibre, IM of household and technical parts
GB 218	18	1.4	1.4	34	250	1550	3	-	55	153	Anti-gas-fading	Injection moulding, fibre extrusion	Technical parts, multifilaments, compounds
NB 218	18	1.4	1.4	33	> 300	1400	3	-	53	152	Anti-gas-fading	Fibre extrusion, injection moulding	Staple fibres, non-wovens, multifilament yams
NB 220	20	1.4	1.4	33	> 200	1400	3	-	53	152	Anti-gas-fading plus	Fibre extrusion, injection moulding	Staple fibres, non-wovens, multifilament yams
NB 425	25	1.4	1.5	32	> 300	1350	2.5	-	52	152	Anti-gas-fading	Spunbond, injection moulding	Non-wovens using spunbond technology for hygienic products, staple fibre
NB 435*	35	-	-	34	-	1500	2	-	54	-	Anti-gas-fading	Spunbond, injection moulding	Non-wovens using spunbond technology for hygienic products, staple fibre
NB 480*	25	-	-	36	100	1700	-	-	58	-	Special	Meltblown	Non-wovens using meltblown technology for hygienic products
MA 230	30	1.3	1.4	35	150	1550	2	-	55	154	Antistatic	Injection moulding	Thin-walled food products, household articles
MT 230	30	1.5	1.8	39	30	1950	2	-	60	155	Antistatic, transparent	Injection moulding	Transparent, thin-walled, high-gloss products
MA 350	50	1.3	1.3	35	100	1600	2	-	56	154	Antistatic	Injection moulding	Thin-walled food products
Random copolymers													
TB 802*	2	-	-	27	> 400	1050	8	-	50	-	Basic	Extrusion	Monoaxially oriented tapes
MB 812	12	1.3	1.3	25	> 400	900	6	1.5	47	125	Basic	Injection moulding	Expanded parts (EPP), household articles
MT 935	35	1.4	1.6	25	300	1000	5.5	1.5	49	129	Antistatic, transparent	Injection moulding	Thin-walled food packages, caps, household articles
MT 950	50	1.3	1.5	25	350	1000	5	1.5	49	130	Antistatic, transparent, optical brightener	Injection moulding	Thin-walled food packages, caps, household articles

* under development

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							AT 23 °C	AT -20 °C					
	g/10 min	Parallel (%)	Normal (%)	MPa	%	MPa	kJ/m²		°C	°C			
	ISO 1133-1	ISO 294-3,4		ISO 527-1,2		ISO 178	ISO 179-1		ISO 75-1,2		ISO 306		
Block copolymers													
EH 501	0.5	1.6	1.3	27	> 350	1400	90	8	55	153	LTHA, nucleation	Extrusion, blow moulding	Sheets, profiles, non-pressure pipes, blow-moulded packages, compounds
ES 501 *	0.5	-	-	26	400	1300	85	7	53	-	LTHA	Extrusion, blow moulding	Sheets, profiles, non-pressure pipes, blow-moulded packages
EH 701*	0.5	-	-	27	350	1410	90	8	52	-	LTHA, nucleation	Extrusion, blow moulding	Sheets, profiles, non-pressure pipes, blow-moulded packages
GH 504*	4	-	-	26	200	1250	35	5	53	-	LTHA, nucleation	Injection moulding	Car battery cases, containers, technical parts
GB 506	6	1.7	1.9	28	100	1500	9	4.5	57	154	Nucleation	Injection moulding, thermoforming	Large containers, film co-extrusion, car battery covers
MA 712	12	1.5	1.8	28	70	1500	8	4	56	155	Antistatic, nucleation	Injection moulding	Technical parts, transportation boxes, containers, automotive compounds
MA 612	14	1.5	1.5	20	250	1000	45	7	51	147	Antistatic, nucleation	Injection moulding	Technical parts, tools, transportation boxes, automotive compounds
MB 720	18	1.6	1.8	20	100	1000	45	7	52	145	Nucleation	Injection moulding	Technical parts, automotive compounds
MA 524	24	1.5	1.5	24	50	1300	9	4.5	55	153	Antistatic, nucleation	Injection moulding	Food packages, transportation boxes, automotive compounds
MA 745	45	1.6	1.8	25	30	1300	7	4	55	151	Antistatic, nucleation	Injection moulding	Food packages, buckets, tools
Transition grades													
GH 201	0.4	-	-	33	300	1450	15	-	-	-	LTHA, nucleation	Extrusion, blow moulding	Sheets, profiles, non-pressure pipes, tapes, blow-moulded packages
XB 800	0.5	-	-	30	200	1200	12	-	-	-	LTHA	Extrusion	Sheets, profiles, non-pressure pipes
XH 601	0.7	-	-	29	200	1450	70	6	-	-	LTHA, nucleation	Extrusion, blow moulding	Sheets, profiles, non-pressure pipes, blow-moulded packages, compounds
XB 801	1	-	-	28	400	1150	48	-	-	-	Antistatic, transparent	Extrusion	Sheets, profiles, non-pressure pipes
GB 002	2	1.6	1.6	35	150	1700	6.5	-	58	-	Anti-gas-fading	Extrusion, blow moulding	High-strength monoaxially oriented tapes, string, blow-moulded packages
GB 503	2.5	1.7	1.8	25	300	1300	50	7	54	-	Nucleation	Extrusion, injection moulding	Technical parts, film co-extrusion, compounds
XB 205	4	-	-	30	250	1400	8	-	-	-	Anti-gas-fading	Injection moulding	Technical parts, film co-extrusion, compounds
XB 005	5	-	-	35	200	1600	4	-	55	155	Anti-gas-fading	Injection moulding, extrusion	Technical parts, compounds
XB 105	5	-	-	28	400	1100	5	-	50	-	Anti-gas-fading	Extrusion, injection moulding	Technical parts, film co-extrusion
XB 515	14	-	-	28	200	1250	9	3	-	-	Anti-gas-fading	Injection moulding	Technical parts, compounds
MT 825	30	1.4	1.7	25	300	1000	5.5	1	50	-	Antistatic, transparent	Injection moulding	Food packages, household articles

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