



**PP  
M O S T E N<sup>®</sup>**

Product portfolio

**HOMOPOLYMERS  
AND RANDOM COPOLYMERS**

# MOSTEN® HOMOPOLYMERS AND RANDOM COPOLYMERS

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			
	ISO 1133-1	ISO 294-3,4		ISO 527-1,2		ISO 178	ISO 179-1		ISO 75-1,2	ISO 306			
<b>HOMOPOLYMERS</b>													
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	-	55	154	Anti-gas-fading	Extrusion, thermoforming, injection moulding	High-strength monoaxially oriented tapes, string
GB 005	5	1.4	1.5	35	200	1600	4	-	55	155	Anti-gas-fading	Extrusion, thermoforming, injection moulding	Staple fibres, non-wovens, food packages
FT 005	5	1.5	1.4	37	90	1850	3.5	-	59	156	Antistatic, transparent, optical brightener	Thermoforming	Highly transparent food packages
GB 107	7	1.5	1.5	35	100	1700	4	-	57	154	Basic	Injection moulding	Injection moulded products, compounds
NB 108	8	1.5	1.5	35	150	1700	3	-	56	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	100	1500	3.5	-	54	155	Slip agent	Film extrusion	Flat film, office products
FC 110	10	1.4	1.5	34	200	1450	3.5	-	53	155	Antiblock + slip agent	Film extrusion	Flat film, office products
NB 112	12	1.7	1.6	35	150	1650	3	-	56	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 yarns
NB 220	20	1.4	1.4	34	> 200	1450	3	-	54	152	Anti-gas-fading plus	Fibre extrusion, injection moulding	Staple fibres, non-wovens, multifilament yarns
NB 425	25	1.4	1.5	32	> 300	1350	3	-	53	152	Anti-gas-fading	Spunbond, injection moulding	Non-wovens using spunbond technology for hygienic products, staple fibre
MA 230	30	1.3	1.4	35	150	1550	2	-	56	154	Antistatic	Injection moulding	Thin-walled food products, household articles
MT 230	30	1.5	1.8	38	30	1850	2	-	60	155	Antistatic, transparent	Injection moulding	Transparent, thin-walled, high-gloss products
MA 350	50	1.3	1.3	35	100	1550	2	-	57	154	Antistatic	Injection moulding	Thin-walled food products
<b>RANDOM COPOLYMERS</b>													
MB 812	12	1.3	1.3	25	> 400	850	6	1.5	47	125	Basic	Injection moulding	Expanded parts (EPP), household articles
MT 935	35	1.4	1.6	26	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	26	300	1000	5.5	1.5	49	130	Antistatic, transparent, optical brightener	Injection moulding	Thin-walled food packages, caps, household articles

# MOSTEN® BLOCK COPOLYMERS AND TRANSITION GRADES

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	g/10 min	Parallel (%)	Normal (%)	MPa	%	MPa	at 23 °C	at -20 °C	°C	°C			
	ISO 1133-1	ISO 294-3,4		ISO 527-1,2		ISO 178	ISO 179-1		ISO 75-1,2	ISO 306			
<b>BLOCK COPOLYMERS</b>													
EB 501	0.5	1.6	1.2	26	> 350	1250	90	8	53	150	LTHA	Extrusion, blow moulding	Sheets, profiles, non-pressure pipes, blow-moulded packages, compounds
EH 501	0.5	1.6	1.3	27	> 350	1350	90	8.5	54	153	LTHA, nucleation	Extrusion, blow moulding	Sheets, profiles, non-pressure pipes, blow-moulded packages, compounds
GB 504	4	1.5	1.5	25	200	1200	50	6	52	150	Nucleation, demoulding	Injection moulding, thermoforming	Large containers, film co-extrusion, car battery covers
GB 506	6	1.7	1.9	28	100	1500	12	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	11	4	56	155	Antistatic, nucleation	Injection moulding	Technical parts, transportation boxes, containers, automotive compounds
MA 612	14	1.5	1.5	21	250	1000	45	8	51	147	Antistatic, nucleation	Injection moulding	Technical parts, tools, transportation boxes, automotive compounds
MB 720	18	1.6	1.8	21	100	1050	45	7	52	145	Nucleation	Injection moulding	Technical parts, automotive compounds
MA 524	24	1.5	1.5	26	30	1400	9	4.5	55	153	Antistatic, nucleation	Injection moulding	Food packages, transportation boxes, automotive compounds
MA 745	45	1.6	1.8	26	20	1400	9	4	55	151	Nucleation, antistatic	Injection moulding	Food packages, buckets, tools
<b>TRANSITION GRADES</b>													
GH 201	0.3	-	-	36	100	1600	30	-	-	-	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	100	1150	30	-	-	-	Antistatic, transparent	Extrusion	Sheets, profiles, non-pressure pipes
GB 002	2	1.6	1.6	34	150	1700	6.5	-	57	-	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	-	-	33	250	1500	7	-	-	-	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	-	-	32	350	1300	-	-	54	-	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