

Polypropylene, Catalloy and polybutene-1 grades used in film applications.

Selection Guide – Europe



PP, CTY & PB-1

Grades used in BOPP and double bubble film applications – properties and typical customer applications

Grade Name	Typical Resin Properties									Typical Customer Applications														
	MFR (190°C/2,16 kg) [g/10 min] ISO 1133	MFR (230°C/2,16 kg) [g/10 min] ISO 1133	Density [g/cm³] ISO 1183-1	Melting Temperature [°C]	Vicat Softening Temperature A50 (50°C/h 10 N) ISO 306/A	Sealing Initiation Temperature (SIT) °C	Flexural Modulus [MPa] ISO 527-1, -2	Molecular Weight Distribution (MWD)	Additivation	General purpose	Breathable	Flower	Food Packaging	Label	Lamination	Tapes	Metallizable	Shrink Film	Stationary	Tailoring Sealing Properties (Hot-tack, SIT)	Textile packaging	Tobacco	Twist wrap	Seal peel to PP
Moplen HP520H		2.0	0.90	160	155		1400			•		•	•	•	•	•	•	•		•				•
Moplen HP522H		2.0	0.90	160	155		1400		CSNA	•	•	•	•	•	•	•	•	•		•	•			•
Moplen HP422H		2.0	0.90	158	153		1350		CSNA	•		•	•	•	•	•	•	•			•			•
Moplen HP525J		3.0	0.90	160	154		1400		CSNA	•		•	•	•	•	•	•	•			•			•
Moplen HP526J		3.0	0.90	160	154		1400	CR	CSNA	•		•	•	•	•	•	•	•			•			•
Moplen HP420M		8.0	0.90	160	153		1350			•	•	•	•	•	•	•	•	•		•	•			•
Adstif HA612M		8.0	0.90	165	160		1900	Broad	CSNA	•		•	•	•		•	•	•		•	•	•		•
Adstif HA 622H (AD HA3105)		2.0	0.90	164	160		1750		CSNA	•		•	•	•		•	•	•		•	•	•		•
Moplen RP210G		1.8	0.90	144	135	130	850					•	•				•							•
Clyrell RC112G (CL RC1890)		1.7	0.90	130	113	113	450	CR				•	•				•							
Clyrell RC112L (CL RC2472)		7.0	0.90	130	113	113	450	CR	CSNA			•		•		•	•							
Clyrell RC213M (CL RC3261)		10.5	0.90	140	130	120	1000		AB - CSNA			•		•		•			•			•		•
Adsyl 3C30F HP		5.5	0.90	137	122	112			CSNA			•		•		•					•			
Adsyl 5C30F		5.5	0.90	132	111	105						•		•			•				•			
Adsyl 5C37F		5.5	0.90	132	111	105			S - AB			•		•			•				•			
Adsyl 5C39F		5.5	0.90	132	111	105			AB			•		•			•				•			
Adsyl 5C90F (AL 7622 XCP)		5.5	0.90	132	111	105						•		•			•				•			•
Adsyl 5C93F		5.5	0.90	132	111	105			CSNA			•		•			•				•			•
Adsyl 5C99F (AL 7623 XCP)		5.5	0.90	132	111	105			AB			•		•			•				•			•
Adsyl 5C33F		5.5	0.90	132	111	105			CSNA			•		•		•	•				•			•
Adsyl 5C30F ST		6.0	0.90	132	111	105		CR				•		•			•				•			
Adsyl 5C37F ST		6.0	0.90	132	111	105		CR	S - AB			•		•			•				•			
Adsyl 5C39F ST		6.0	0.90	132	111	105		CR	AB			•		•			•				•			
Adsyl 5C99F ST (AL 7624 XCP)		6.0	0.90	132	111	105		CR	AB			•		•			•				•			•
Adsyl 6C30F		5.5	0.90	126	107	95		CR				•		•			•				•			
Adsyl 6C30F (AL 7572 XCP)		5.5	0.90	126	105	92		CR				•		•			•				•			
Adsyl 7C30F (AL7410 XCP)		5.5	0.90	125	96	75		CR	CSNA			•		•			•				•			
Adflex Q 100 F		0.6	0.88	142	60		100				•	•												
Adflex Q 300 F		0.8	0.89	160			330				•	•												
Adflex C 200 F		5.5	0.89	142	77		200				•	•												
Adflex Q 190 F (AX 7635 XCP)		0.6	0.88	142	60		100				•	•												•
Adflex C 290 F (AX 7634 XCP)		5.5	0.89	142	77		200				•	•												•
Toppyl SP2101C		8.0	0.91	143					S - AB		•	•											•	
Toppyl SP2102C		5.7	0.90	133					S - AB			•											•	
Toppyl SP2103C		6.5	0.90	137								•											•	
Koattro KT AR 05	0.5		0.89	114			25				•	•							•					
Koattro KT MR 05	1.3		0.89								•	•							•					•
Toppyl PB 8220M	2.5	7.5	0.90	97	88		140					•							•					
Koattro DP 8310M	3.5	10.0	0.90	94	80		120					•							•					

S – Slip
 N – Nucleated
 AB – Anti-block
 CR – Controlled Rheology
 AS – Anti-static
 CSNA – Calcium Sterate Not Added

PP, CTY & PB-1

Grades used in cast and blown film applications –
properties and typical customer applications

Grade Name	Typical Resin Properties									Typical Customer Applications																	
	MFR (190 °C/2,16 kg) [g/10 min] ISO 1133	MFR (230 °C/2,16 kg) [g/10 min] ISO 1133	Density [g/cm ³] ISO 1183-1	Melting Temperature [°C] Internal method	Vicat Softening Temperature A50 (50 °C/h 10 N) ISO 306/A	Sealing Initiation Temperature (SIT) °C	Flexural Modulus [MPa] ISO 527-1, -2	Molecular Weight Distribution (MWD)	Additivition	General purpose	Collation shrink	Flower	Food Packaging	Freezer	Hygienic	Label	Lamination	Metallizable	Retorting	Stationary	Sterilisable	Surface protection	Tailoring Sealing Properties (Hot-tack, SIT)	Tapes	Textile packaging	Twist wrap	Seal peel to PP
Moplen HP556E		0.8	0.90	162	153		1400			•		•									•						•
Moplen HP420M		8.0	0.90	160	153		1350					•			•						•		•				•
Moplen HP515M		9.0	0.90	160	153		1300	CR	S - AB		•	•		•	•	•			•	•				•			•
Moplen HP510M		9.0	0.90	160	153		1300	CR	CSNA		•	•		•	•	•			•	•				•			•
Adstif HA612M		8.0	0.90	165	160		1900	Broad	CSNA			•				•	•			•				•	•		•
Adstif HA622H (HA3105)		2.0	0.90	164	160		1750		CSNA			•				•	•			•	•				•		•
Moplen EP310D HP (EP2967)		0.8	0.90	162	150		1080					•	•			•	•			•	•						•
Moplen EP310J HP		3.0	0.90	166			1380		N			•	•			•	•			•	•						•
Moplen EP310M HP		7.5	0.90	164	144		1050		N			•	•			•	•			•	•						•
Moplen RP210G		1.8	0.90	144	135	130	850			•		•															•
Moplen RP310M		8.5	0.90	150	140	133	1100					•		•		•				•							•
Moplen RP315M		8.5	0.90	150	140	133	1100		S - AB		•	•		•		•				•				•			•
Moplen RP316M		8.5	0.90	150	140	133	1100		S - AB - AS		•	•		•		•				•				•			•
Moplen RP320M		8.5	0.90	143	135	125	850	CR			•	•		•		•				•				•			•
Moplen RP325M		8.5	0.90	143	135	125	850	CR	S - AB		•	•		•		•				•				•			•
Moplen RP220M		8.5	0.90	138	125	118	700	CR			•	•		•		•				•				•			•
Moplen RP225M		8.5	0.90	138	125	118	700	CR	S - AB		•	•		•		•				•				•			•
Clyrell RC124H		2.2	0.90	140	120	117	750	CR	N			•		•		•								•			•
Clyrell RC110E		0.8	0.90	130	113	113	450		CSNA		•	•		•		•											•
Clyrell RC112G (CL RC1890)		1.7	0.90	130	113	113	450	CR			•	•		•		•											•
Clyrell RC112L (CL RC2472)		7.0	0.90	130	113	113	450	CR	CSNA			•		•		•											•
Clyrell RC215M (CL RC3250)		10.5	0.90	140	130	120	1000		S - AB			•		•		•				•							•
Clyrell RC213M (CL RC3261)		10.5	0.90	140	130	120	1000		AB - CSNA			•		•		•				•				•			•
Adflex Q100F		0.6	0.88	142	60		100						•														•
Adflex Q300F		0.8	0.89	160			330						•														•
Adflex C200F		5.5	0.89	142	77		200						•														•
Adflex Q 190 F (AX 7635 XCP)		5.5	0.89	142	77		100						•														•
Adflex C 290 F (AX 7634 XCP)		0.8	0.89	142	77		200						•														•
Adflex X500F		8.0	0.89	163	95		550						•														•
Toppyl SP2101C		8.0	0.91	143					S - AB										•		•						•
Toppyl SP2102C		6.5	0.90	133					S - AB																		•
Toppyl SP2103		6.0	0.90	137															•		•						•
Koattro KT AR 05	0.5		0.89																				•				•
Koattro KT MR 05	1.3		0.87																				•				•
Koattro DP 8310M	3.5	10.0	0.90	94	80		120																•				•
Toppyl PB 8220M	2.5	7.5	0.90	97	80		140																•				•

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