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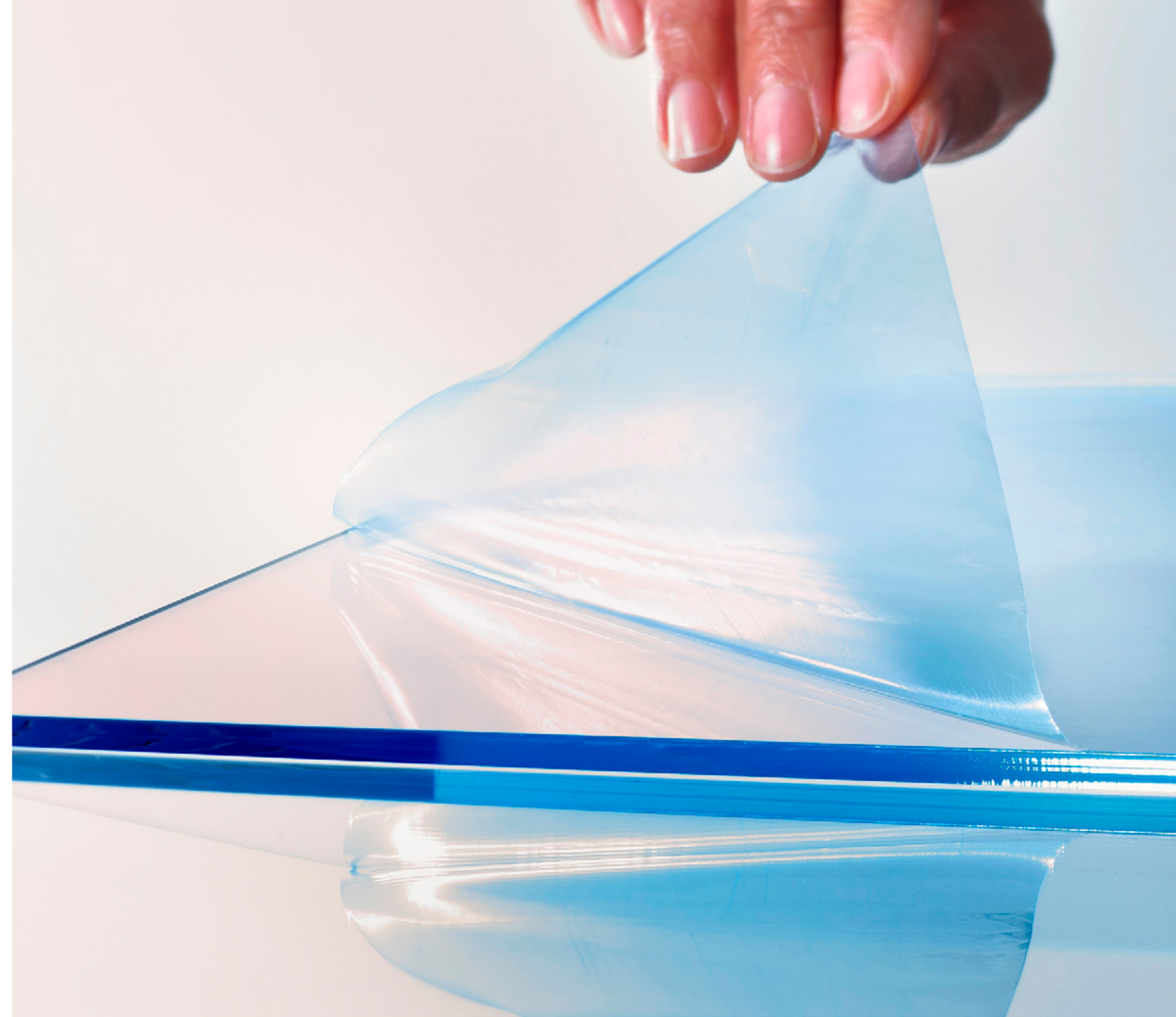
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Polyethylene grades used in film application

Selection Guide – Europe

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Polyethylene

Grades used in 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 (190°C/5 kg) [g/10 min] ISO 1133	MFR (190°C/21,6 kg) [g/10 min] ISO 1133	Density [g/cm ³] ISO 1183	Melting Temperature [°C]	Vicat Softening Temp. VST/A (10 N) [°C] ISO 306/A	Tensile Modulus [MPa] ISO 527-1, -2	Tensile Strength at Yield [MPa] ISO 527-1, -2	Additivation (AO = Antioxidant, AB = Antiblock, S = Slip)	Blown Film Extrusion	Cast Film Extrusion	- Heavy duty bags	- Liners	- Refuse sacks and bags	- Carrier bags	- Agricultural films	- Building and construction films	- Heavy duty shrink films	- Collation shrink films	- Fine shrink films	- Food packaging FFS films and bags	- Packaging films for sanitary articles	- Freezer films	- Sanitary films	- Embossed release films	- Lamination films	- Label films	- Cling films	- Surface protection films	- Sealing layers	- Cereal packaging	- Silicon coated films	- Stretch hoods	- Blend partner for LDPE	
Lupolen 1840 D	0.25			0.919	108	93	200	9		•		•	•	•	•	•	•																	•	
Lupolen 2420 D	0.25			0.923	110	96	260	10		•		•	•	•	•	•	•																		
Lupolen 2420 F	0.75			0.923	111	96	260	11		•		•	•	•	•	•	•																		
Lupolen 2420 F Plus	0.75			0.923	111	96	260	11		•		•	•	•	•	•	•																		
Lupolen 2426 F	0.75			0.924	111	96	260	11	AB, S	•		•	•	•	•	•	•																		
Lupolen 2420 H	1.9			0.924	111	94	260	11		•	•																								
Lupolen 2426 H	1.9			0.924	111	94	260	11	AB, S	•	•																								
Lupolen 2420 K	4			0.924	111	92	260	11		•	•																								
Lupolen 2426 K	4			0.924	111	92	260	11	AB, S	•	•																								
Lupolen 3010 D	0.25			0.927	114	102	300	13		•		•	•																						
Lupolen 3020 F	0.9			0.927	114	100	300	12		•																									
Lupolen 3026 F	0.9			0.927	114	100	300	12	S	•																									
Lupolen 3020 H	2			0.928	114	100	300	13		•	•																								
Lupolen 3026 H	2			0.928	114	100	300	13	S	•	•																								
Lupolen 3020 K	4			0.928	114	97	300	13		•	•																								
Lupolen 3026 K	4			0.928	114	97	300	13	AB, S	•	•																								
Lupolen 3220 F	0.9			0.930	117	105	430	14		•																									
Lupolen 3420 J	3			0.934	119	109	480	16		•	•																								
Lupolen 3426 J	3			0.934	119	109	480	16	AB, S	•	•																								
Lucalen A 2540 D ⁽¹⁾	0.25			0.923	103	85	120	7		•																									•
Lucalen A 2920 M ⁽²⁾	7			0.927	96	74	90	6	AO	•	•																								•
Luflexen hyPE 35P FA	0.75	2.5		0.936	126	119	600	16	AO	•		•	•	•	•	•	•																		•
Luflexen hyPE 36R FA	2.5			0.936	127	119	600	16	AO	•	•		•	•	•	•	•																		•
Lupolen 3721 C		0.6	12.5	0.937	127	121	700	19	AO	•		•	•	•	•	•	•																		•
Hostalen GC 7260 F2	8.0	23		0.960	133	74 ⁽³⁾	1450	30	AO	•	•																								•
Hostalen GD 9550 F		3.1	34	0.950	131	75 ⁽³⁾	1050	25	AO	•																									•
Hostalen GF 9055 F		1.8	24	0.954	133	78 ⁽³⁾	1300	27	AO	•																									•
Hostalen GF 9045 F		1.8	23	0.946	129	74 ⁽³⁾	950	23	AO	•																									•
Hostalen GF 7740 F2		1.8	23	0.946	129	74 ⁽³⁾	950	23	AO	•																									•
Hostalen ACP 9240 Plus		0.2	6	0.946	129	72 ⁽³⁾	1000	23	AO	•		•	•	•	•	•	•																		•
Hostalen ACP 9254 Plus		0.3	8.8	0.954	133	74 ⁽³⁾	1250	27	AO	•		•	•	•	•	•	•																		•
Hostalen ACP 9255 Plus		0.4	12	0.957	133	76 ⁽³⁾	1350	29	AO	•		•	•	•	•	•	•																		•
Hostalen ACP 7740 F3		1.6	16	0.946	130	75 ⁽³⁾	1000	23	AO	•																									•

1) Comonomer n-butyl acrylate: 6.5%
 2) Comonomer tert-butyl acrylate: 7%, comonomer acrylic acid: 4%
 3) Vicat Softening Temp. VST/B (50 N) [°C] ISO 306/B
 Given values are typical properties.