

DOW PLASTICS – FILM GRADES

Blown/Cast	Grade	Melt Index (g/10 min) D1238	Density (g/cc) D792	Film Thickness (μ)	Dart Impact (g) D1709 (Type)	Tear Resistance (g) D1922		Gloss (45°) D2457	Haze (%) D1003	Additive or Comonomer Content	Typical Properties/Applications
						MD	CD				
LDPE	132I	0.20	0.921	51	194 (A)	301	175	50	11.3	-	Shipping sacks, shrink wrap, industrial film
	640I	2.00	0.922	51	154 (A)	498	284	66	7.6	-	Liners
	682I	0.70	0.922	51	148 (A)	283	354	70	8.6	-	Shrink film, frozen food packaging
LLDPE	PE 1210G1	1.0	0.919	51	176 (A)	106	256	69 (20°)	10.8	Slip/AB	General purpose packaging (Slip-AB version)
	PE 1211G1	1.0	0.918	51	176 (A)	106	256	76 (20°)	7.8	-	General purpose packaging, stretch cling film
	PE 1220G1	2.0	0.919	51	175 (A)	107	218	60 (20°)	13.5	Slip/AB	General purpose packaging (Slip-AB version)
	PE 1221G1	2.0	0.918	25	66 (A)	37	370	151 (20°)	0.6	-	Cast stretch cling film, Ag film
	DOWLEX* 2036P	2.5	0.935	25	50 (A)	25	700	88	3.2	-	Stiffness/laminate tube, overwrap, diaper
	DOWLEX 2042G	1.0	0.930	51	108 (A)	213	520	67.5	9.4	-	Good stiffness/packaging, sacks
	DOWLEX 2045G	1.0	0.920	51	288 (A)	902	1200	60	10	-	Good toughness/lamination, stretch film, sacks
	DOWLEX 2045.11G	1.0	0.922	37.5	227 (A)	559	1052	67	12	Slip/AB	Slip-antiblock version of DOWLEX 2045G/FFS
	DOWLEX 2047G	2.3	0.917	21	208 (B)	338	507	95	0.4	-	Good toughness/lamination, stretch cling film
DOWLEX 2049G	1.0	0.926	37.5	220 (B)	240	730	45	15	-	Good toughness/lamination	
EPE (Enhanced Polyethylene)	ELITE* 5100 G	0.85	0.920	51	780 (B)	707	1033	67	10	-	Excellent toughness/lamination, shipping sacks
	ELITE 5101 G	0.85	0.921	51	>850 (B)	717	1031	58	15	Slip/AB	Slip-antiblock version of ELITE 5100/FFS
	ELITE 5110 G	0.85	0.926	51	409 (B)	564	1110	60	13	-	Good stiffness, high toughness/lamination
	ELITE 5210 G	2.3	0.917	20	570 (B)	400	600	96	0.6	-	Excellent load retention/stretch cling film
	ELITE 5220 G	3.5	0.915	20	630 (B)	390	600	96	0.6	-	Excellent toughness/stretch cling film
	ELITE 5400 G	1.0	0.916	51	>850 (B)	825	1014	70	9.0	-	Low temp seal/excellent toughness/SCF
	ELITE 5401 G	1.0	0.918	51	>850 (B)	780	975	64	13	Slip/AB	Low temp seal/slip-antiblock version of ELITE 5400/FFS
ULDPE (Ultra Low Density Polyethylene)	ATTANE* 4201G	1.0	0.912	51	607 (B)	1039	1232	71	8	-	Tough/general purpose sealant
	ATTANE 4203	0.8	0.905	51	>850 (B)	831	1106	54	6	-	Low temp seal/high toughness/low temp sealant
	ATTANE 4301G	1.0	0.913	51	670 (B)	1024	1265	56	14	Slip/AB	Slip-antiblock version of ATTANE 4201/FFS
	ATTANE 4404G	4.0	0.904	51	>850 (B)	955	1100	90	1.8	-	Cling layer for stretch cling film
POPs (Polyolefin Plastomers)	AFFINITY* PF 1140	1.6	0.897	51	>850 (B)	470	620	134 (20°)	1.3	-	Fresh produce packaging, low temp sealing
	AFFINITY PL 1840	1.0	0.909	51	>830 (B)	560	840	128 (20°)	2.5	-	Tough/low temp sealant, lamination
	AFFINITY PL 1850	3.0	0.902	20	>830 (B)	120	410	144	0.7	-	Low temp seal, good gloss/FFS, food wrap
	AFFINITY PL 1880	1.0	0.902	51	>830 (B)	550	720	141 (20°)	1.1	-	Low temp seal, good optics/FFS
	AFFINITY PL 1881	1.0	0.904	51	>830 (B)	560	730	112 (20°)	3.2	Slip/AB	Low temp seal/high speed FFS (Slip-AB version)
Copolymers	PRIMACOR* 1410	1.5	0.938	51	838 (A)	375	514	65	5.8	9.7% AA	Excellent sealability and adhesion/food packaging
	PRIMACOR 1430	5.0	0.938	51	574 (A)	474	732	74	4.0	9.7% AA	Excellent sealability and adhesion, high clarity

DOW PLASTICS – EXTRUSION COATING GRADES

EXTRUSION COATING	Grade	Melt Index (g/10 min) D1238	Density (g/cc) D792	Neck-in (mm)	Min.Coating Wt (g/m ²)	Heat Seal Initiation Temp (°C)	Additive or Comonomer Content	Typical Properties/Applications
LDPE	722	8.0	0.918	40	11	116	-	Sealant, lamination film
LLDPE	DOWLEX* 3010	5.4	0.921	117	6	-	-	Abrasion resistance, sealant
POPs	AFFINITY* PT 1450	7.5	0.902	135	7	83	-	Low temp seal, good adhesion with BOPP, general flexible packaging
Copolymers	PRIMACOR* 3002	9.8	0.936	35	6	85	8.0% AA	Good processability, flexible packaging, sealing & lamination, cable wrap
	PRIMACOR 3003	7.8	0.935	45	8	90	6.5% AA	Sealing & lamination, cable wrap
	PRIMACOR 3004	8.5	0.938	51	10	-	9.7% AA	Tooth paste tube
	PRIMACOR 3340	9.0	0.932	70	12	93	6.5% AA	General flexible & lamination film
	PRIMACOR 3440	10.5	0.938	66	10	93	9.7% AA	Tooth paste tube
	PRIMACOR 3460	20.0	0.938	71	10	<90	9.7% AA	Odor sensitive food packaging
	PRIMACOR 4608	7.7	0.934	84	8.8	90	6.5% AA	Thermal stabilized, lamination

DOW PLASTICS – ROTOMOLDING GRADES

ROTOMOLDING	Grade	Melt Index (g/10 min) ISO 1133	Density (g/cc) ISO 1183	Vicat Softening Point (°C) ISO 306 A/120	Hardness Shore D ISO 868	Falling Dart Impact at -20°C, J/mm ISO 6603/2	ESCR, 10% Antarox at 50°C ASTM D 1693	Typical Properties/Applications
LLDPE	DOWLEX* NG 2429G	4.0	0.935	243 (117)	-	76	400 (10%)	Excellent environmental stress cracking & impact strength/low warping & good processing
POPs	AFFINITY SQ 1503	6.0	0.900	82	40	>15	>1000	High flexibility/road barriers and toys

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