

PE LITEN – DESIGNATION SYSTEM

	APPLICATION	STABILIZATION		POLYMER TYPE	MELT FLOW RATE (MFR), g/10 min
B	Blow moulding	B	Basic	1 Homopolymer	1 ≤ 0,1
F	Film extrusion	L	UV	2 Homopolymer	2 > 0,1 – 0,25
M	Injection moulding	O	Without stabilization	3 Homopolymer	3 > 0,25 – 0,5
P	Pipe extrusion	S	Special	4 Homopolymer	4 > 0,5 – 3,5
T	Tape extrusion			5 Copolymer	5 > 3,5 – 5
V	Extrusion			6 Copolymer	6 > 5 – 7
Z	Powder			7 Copolymer	7 > 7 – 17
				8 Copolymer	8 > 17 – 25
				9 Copolymer	9 > 25
				0 Copolymer	



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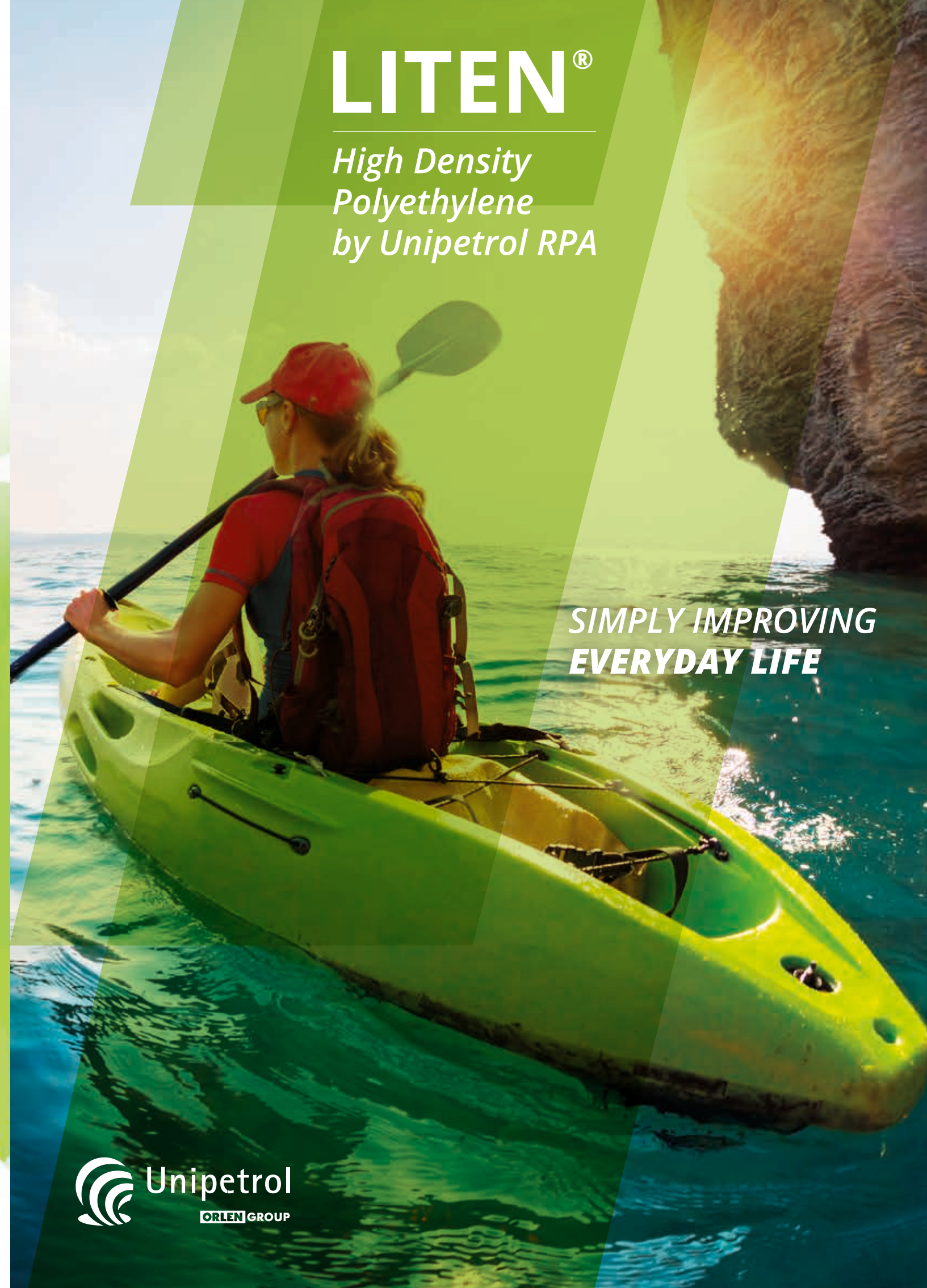
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LITEN®

*High Density
 Polyethylene
 by Unipetrol RPA*



**SIMPLY IMPROVING
 EVERYDAY LIFE**



PE Liten®	MFR (190/2,16)	MFR (190/5)	MFR (190/21,6)	Density	Yield Stress	Yield Strain	Flexural Modulus	Charpy NIS 23 °C -30 °C	VST	ESCR F ₅₀	ESCR F ₅₀ 55 °C; 10% 6 MPa	FNCT A: 50 °C; 9 MPa; 2% B: 80 °C; 4 MPa; 2%		Stabilization	Processing technology	Main application	
Unit	g/10 min			kg/m ³	MPa	%	MPa	kJ/m ²	°C	hr	hr	hr	hr				
Standard	ISO 1133-1			ISO 1183-2	ISO 527-1,2		ISO 178	ISO 179-1	ISO 306	ASTM D1693	ISO 22088-2	ISO 16770 A B					
INJECTION MOULDING																	
RL 58 / RL 58 UV	3,0	11	-	950	20	10	800	15	5,5	125	-	18	-	-	Basic / UV	Inj. moulding	PET bottle caps for carbonized beverages, PEX pipes
ML 57	4,0	12	-	952	22	10	850	12	5,5	126	-	12	-	-	UV	Inj. moulding	Technical parts, pallets, containers
MB 68	7,5	22	-	956	23	9,5	950	6,5	5,5	127	-	5	-	-	Special	Inj. moulding	Cartdriges for adhesives, technical parts
MB 71 / ML 71	8,0	25	-	963	25	8,5	1100	6,5	5,5	126	-	3	-	-	Basic / UV	Inj. moulding	Crates, bins, technical parts
FILM & TAPES & FIBRE																	
FB 75	0,10	0,55	12	950	24	10	1000	15	5,5	124	> 2000	-	50	35	Basic	Film	Blown packaging film above 7 µm for food industry, shopping bags
FB 29	0,15	0,75	16	952	25	10	1100	12	5,5	125	350	-	10	-	Basic	Film	Blown packaging film above 15 µm for food industry
FB 85	0,16	0,80	18	952	25	10	1100	12	5,5	125	500	-	15	8	Basic	Film	Blown packaging film above 10 µm for food & industrial items
FB 20	0,20	1,10	20	938	17	10	600	14	5,0	114	350	-	50	-	Basic	Film	Blown packaging film above 15 µm, blends with PE-LD/LLD (up to 40 %)
FB 85 F	0,30	1,35	27	953	26	9	1150	10	4,5	125	500	-	13	-	Basic	Film, Sheet	Cast film, technical sheets for construction industry, cable ducts
TB 38 / TB 38 F	0,50	1,75	26	952	25	11	1100	10	5,5	124	> 10	-	2	-	Basic	Tapes	Weaving & knitting tapes for packaging bags (420-1200 dtex)
LS 87	25	60	-	955	22	10	900	3,5	-	123	-	-	-	-	Special	Fibre	Bi-component fibre by spun bond technology for hygiene
BLOW MOULDING & SHEET EXTRUSION																	
VB 85	0,10	0,55	12	945	22	10	900	15	5,0	121	> 2000	-	100	80	Basic	Sheet, Film	Sheet & film for construction industry
BB 75	0,10	0,55	12	950	24	10	1000	15	5,5	124	> 2000	-	50	35	Basic	Blmldg, Sheet	Containers up to 220 l, industrial tanks, drums
BB 29	0,15	0,75	16	952	25	10	1100	12	5,5	125	350	-	10	-	Basic	Blmldg, Sheet	Containers up to 120 l, toys, pharmaceutical packages
VL 20 N	0,15	0,80	18	938	18	7	700	18	4,5	114	> 1000	-	-	150	Basic	Sheet, Film	Environmental landfills, geomembrane
BB 85	0,16	0,80	16	952	25	9	1100	12	5,5	125	500	-	15	8	Basic	Blmldg, Sheet, Pipe	Containers up to 120 l, toys, pharmaceutical packages
BB 85 F	0,24	1,10	20	953	26	10	1150	10	4,5	125	500	-	12	-	Basic	Blmldg, Sheet	Containers up to 5 l, cable ducts
ZB 29	0,20	1,20	24	952	25	10	1100	11	5,0	124	250	-	-	-	Basic	Blmldg, Sheet	Containers up to 80 l, for compounds
BB 29 H	0,25	1,20	24	955	26	9	1200	10	5,0	125	100	-	8	-	Basic	Blmldg, Sheet	Containers up to 80 l, technical parts, boxes
VB 33	0,33	1,30	23	956	26	10	1200	15	8,0	125	> 10	-	1	-	Basic	Blmldg, Sheet	Containers up to 5 l for non-active media, sheet, co-extrusion, toys
PIPE EXTRUSION																	
PL 10 (Black)	0,07	0,42	11	952	20	7	800	13	4,0	118	> 2000	-	-	70	UV	Pipe	PE 80 pressure pipes for water supply, casing pipes
VL 20 (Black)	0,12	0,70	16	950	19	7	750	13	4,0	116	> 2000	-	-	70	UV	Pipe, Sheet	Non-pressure pipes, sheets

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