

UBE Polyethylene[®] (LDPE) Grade List



	Physical Properties	MFR	Density	Tensile Strength at break	Elongation at break	Flexural Modulus	Hardness	Vicat Softening Point	Melting Point	Brittleness Temperature	Additives
	Test Method	ASTM D1238	ASTM D1505	ASTM D638		ASTM D790	ASTM D2240	ASTM D1525	UMP method ⁽¹⁾	ASTM D746	
	Unit	g/10min	kg/m ³	MPa	%	MPa	HDD	°C	°C	°C	
Film	F019A	0.9	920	18	700	220	49	92	109	<-75	AO, AB, SL
	F022NH	0.8	922	18	750	260	54	95	110	<-75	-
	F022A	0.8	922	18	750	260	54	95	110	<-75	AO, AB, SL, AS
	F120N	1.2	920	18	650	240	52	91	109	<-75	-
	F222NH	2	922	16	600	240	54	94	110	<-75	-
	F222A	2	922	16	600	240	54	94	110	<-75	AO, AB, SL
	F320A	3.5	921	15	550	220	50	93	109	<-75	AO, AB, SL
	F522N	5	922	14	550	240	52	90	110	<-75	-
	F522A	5	922	14	550	240	52	90	110	<-75	AO, AB, SL
	R300	0.35	920	21	750	240	54	93	109	<-75	-
	R300A	0.22	920	22	750	240	54	93	109	<-75	-
	R500	0.5	922	20	750	260	55	96	110	<-75	AO
	Z322	1	933	14	600	480	60	110	118	<-75	-
	F234	2	934	13	600	480	59	109	118	<-75	AO
	Z372	5.3	934	12	550	480	58	108	118	<-75	-

(1) Measured using DSC equipment.

※ The above figures are representative values, not standardised values.

※ The measurements in this table are based on press sheets.

※ Additives : AO = Anti-oxidant, AB = Anti-blocking, SL = Slip, AS = Anti-static

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	Unit	g/10min	kg/m ³	MPa	%	MPa	HDD	°C	°C	°C	
Extrusion laminate	C410	3.5	918	14	500	200	48	85	108	<-75	-
	L518	5	918	13	500	200	48	85	108	<-75	-
	L618	6	917	13	500	190	47	82	107	<-75	-
	L719	7.5	918	13	500	200	48	84	108	<-75	-
Blow molding	B028	0.4	927	19	700	340	57	102	114	<-75	-
	B128	1	928	18	600	360	58	102	114	<-75	-
	B228	2	928	17	580	360	58	102	114	<-75	-
Injection molding	J2522	20	919	10	350	180	47	83	109	-40	AO
	J2516	25	916	10	550	160	45	78	106	-40	-
	J3519	35	916	9	300	150	44	77	108	-40	-
	J5019	50	919	8	250	160	45	81	108	-30	-

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