



C6 mLLDPE for Blown Film

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Item	Grade		Grade A	Grade B	Grade C	Grade D	Grade E
	Test Method	Unit					
MI	JIS K 7210	g/10min	1.2	1.0	2.0	2.3	2.2
Density	JIS K 7112	kg/m ³	903	914	913	916	921
Tensile Stress at Yield	JIS K 7161	MPa	-	-	-	-	-
Tensile Stress at Break		MPa	>16	>18	16	17	18
Nominal Tensile Strain at Break	JIS K 7162	%	>500	>500	350	350	360
Modulus of Elasticity in Flexure	JIS K 7171	MPa	130	240	160	220	240
Charpy Impact Strength	JIS K 7111	kJ/m ²	NB	NB	NB	NB	NB
Durometer Hardness (D Scale)	JIS K 7215	-	50	55	54	54	56
E.S.C.R	ASTM D1693	hours	>1000	>1000	>1000	>1000	>1000
Vicat Softning Point	JIS K 7206	°C	84	98	96	93	104
Melting Point	JIS K 7121	°C	98	118	116	116	119
Advantages	Ultra-low Temp Heat Seal		Low Temp Heat Seal				
	High Impact Strength					High Speed Mouldability	High Impact Strength
Major Application	Modifier	Lamination Film	Automatic Packaging	Lamination Film			
	Multilayer Film	Industrial Film	Agricultural Film	Industrial Film			
				Water Quenching Blown Film			
JHOSPA self-imposed Restraint Standard			Yes	Yes	Yes	Yes	Yes



C6 mLLDPE for Blown Film & Extrusion

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Item	Grade		Grade F	Grade G	Grade H	Grade I	Grade J	Grade K
	Test Method	Unit						
MI	JIS K 7210	g/10min	1.9	1.9	1.5	0.8	1.8	10
Density	JIS K 7112	kg/m ³	920	925	923	926	937	910
Tensile Stress at Yield	JIS K 7161	MPa	-	-	-	13	17	-
Tensile Stress at Break		MPa	19	20	20	>25	>24	>15
Nominal Tensile Strain at Break	JIS K 7162	%	350	350	350	>500	>500	>500
Modulus of Elasticity in Flexure	JIS K 7171	MPa	240	320	260	490	560	150
Charpy Impact Strength	JIS K 7111	kJ/m ²	NB	NB	NB	NB	NB	NB
Durometer Hardness (D Scale)	JIS K 7215	-	55	56	56	54	58	51
E.S.C.R	ASTM D1693	hours	>1000	>1000	>1000	>1000	>1000	>1000
Vicat Softning Point	JIS K 7206	°C	101	105	103	106	117	87
Melting Point	JIS K 7121	°C	118	122	121	124	127	112
Advantages	High Speed Mouldability							
	Low Temp Heat Seal	Stiffness			High Stiffness			Low Temp Heat Seal
	Clarity	Optical Property						
Major Application	Lamination Film				Medium Size Packaging	Heavy Duty Bag	Lamination Film	Flexible Packaging
	Industrial Film						Industrial Film	Liquid Packaging
	Agricultural Film							
	Water Quenching Blown Film							
JHOSPA self-imposed Restraint Standard			Yes	Yes	Yes	Yes	Yes	Yes

