EVATHENE® 超塑烯®

ETHYLENE-VINYL ACETATE COPOLYMER RESINS

乙烯醋酸乙烯酯共聚合树脂

产品 Products / 物性 Physical Properties	单位 UNIT	检验方法 TEST METHOD (ASTM)	发泡 Foaming											油墨 Ink
			UE629	UE630	UE632	UE659	UE2803	UE33002	UE3302	UE3312	UE3330	UE4003	UE4055	UE40K
主要用途 MAIN APPLICATIONS			•鞋材发泡 •食品包装 •Shoe sole foaming •Food packaging	•鞋材发泡 •食品包装 •Shoe sole foaming •Food packaging	•鞋材发泡 •替代软质 PVC、橡胶与其他弹性材料 •Shoe sole foaming •Replace the flexible PVC, rubbers and other elastomers	•鞋材发泡 •配制热熔胶 •电线电缆掺合树脂 •Shoe sole foaming •Hot melt adhesives •Wire & Cable Compounds	•电线电缆掺合树脂 •一般掺合应用 •鞋材发泡 •Wire and cable compounds •General compounding •Shoe sole foaming	•鞋材发泡 •电线电缆掺合树脂 •Shoe sole foaming •Wire & Cable Compounds	•鞋材发泡 •一般掺合应用 •Shoe sole foaming •General Compounding	•鞋材发泡 •电线电缆掺合树脂 •Shoe sole foaming •Wire & Cable Compounds	•鞋材发泡 •一般掺合应用 •Shoe sole foaming •General Compounding	•鞋材发泡 •一般掺合应用 •Shoe sole foaming •General Compounding	•鞋材发泡 •热熔胶 •Shoe sole foaming •Hot melt adhesives	•配制油墨 •热熔胶 •Binders used in ink •Hot melt adhesives
VA 含量 VA CONTENT	重量百分率 wt%	USI	18	16	22	25	28	33	33	33	33	40	40	41
熔值 MELT INDEX	克/10 分 g/10min	D1238	2.5	1.5	2.2	2	3	0.2	2	12	30	3	55	65
密度 DENSITY	克/立方公分 g/cm³	D792	0.939	0.937	0.942	0.947	0.950	0.956	0.956	0.956	0.956	0.967	0.966	0.968
断裂点抗张强度 BREAK POINT TENSILE STRENGTH 模片(MOLDED)	公斤/平方公分 kg/cm²	D638	180	170	170	210	200	170	150	90	70	80	40	38
伸长率 ELONGATION 模片(MOLDED)	百分率 %	D638	750	700	820	890	830	710	1000	1000	900	>1000	＞1000	＞1000
低温脆裂温度 LOW TEMPERATURE BRITTLENESS	度/半数破坏 °C/F50*	D746	<-76	<-76	<-76	<-76	<-76	—	—	<-76	—	—	—	—
卫氏软化温度 VICAT SOFTENING TEMPERATURE	度 °C	D1525	64	67	58	54	45	—	—	—	—	—	—	—
环球软化温度 RING & BALL SOFTENING TEMP.	度 °C	E28	—	—	—	—	—	—	—	—	113	—	105	103
熔点 MELTING POINT	度 °C	D3418	86	89	82	77	74	64	64	64	64	48	48	45
硬度 HARDNESS Shore A	萧氏 A Shore A	D2240	90	91	86	84	81	70	65	65	63	43	40	38

F50*：50% failure　　F50*：50%破裂或脆裂

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EVATHENE® 超塑烯®

ETHYLENE-VINYL ACETATE COPOLYMER RESINS

乙烯醋酸乙烯酯共聚合树脂

产品 Products / 物性 Physical Properties	单位 UNIT	检验方法 TEST METHOD (ASTM)	注塑/热熔胶 Injection Molding / Hot Melt										涂胶 Coating	太阳能电池封装膜 Solar Cell Encapsulation
			UE633	UE612-04	UE649-04	UE634-04	UE638-04	UE639-04	UE653-04	UE647-04	UE654-04	UE3345	UE508	UE2828
主要用途 MAIN APPLICATIONS			•配制热熔胶 •挤压涂覆 •Hot melt adhesives •Extrusion coating	•配制热熔胶 •Hot melt adhesives	•配制热熔胶 •Hot melt adhesives	•配制热熔胶 •鞋材发泡 •电线电缆掺合树脂 •Hot melt adhesives •Shoe sole foaming •Wire & Cable Compounds	•配制热熔胶 •Hot melt adhesives	•配制热熔胶 •Hot melt adhesives	•配制热熔胶 •Hot melt adhesives	•配制热熔胶 •Hot melt adhesives	•配制热熔胶 •电线电缆掺合树脂 •一般掺合应用 •Hot melt adhesives •Wire & Cable Compounds •General Compounding	•配制热熔胶 •电线电缆掺合树脂 •一般掺合应用 •Hot melt adhesives •Wire & Cable Compounds •General Compounding	•粉末压烫贴合（使用于不织布热熔胶） •Powder Hot Melt (for hot melt adhesion of non-woven-fabric)	•太阳能电池封装膜 •Solar Cell Encapsulation
VA 含量 VA CONTENT	重量百分率 wt%	USI	19	19	19	28	28	28	28	28	33	33	8	28
熔值 MELT INDEX	克/10 分 g/10min	D1238	20	150	400	6	18	150	400	800	30	45	85	25
密度 DENSITY	克/立方公分 g/cm^3	D792	0.938	0.937	0.934	0.948	0.948	0.945	0.942	0.940	0.956	0.955	0.925	0.948
断裂点抗张强度 BREAK POINT TENSILE STRENGTH 模片(MOLDED)	公斤/平方公分 kg/cm^2	D638	130	55	30	180	125	40	30	—	70	60	80	—
伸长率 ELONGATION 模片(MOLDED)	百分率 %	D638	790	630	300	830	900	800	500	—	900	900	400	—
低温脆裂温度 LOW TEMPERATURE BRITTLENESS	度/半数破坏 °C/F50*	D746	<-76	<-40	<-30	<-76	<-76	<-30	<-30	—	—	—	<-76	—
卫氏软化温度 VICAT SOFTENING TEMPERATURE	度 °C	D1525	60	47	39	45	42	40	37	—	—	—	70	—
环球软化温度 RING & BALL SOFTENING TEMP.	度 °C	E28	—	98	91	145	125	89	80	80	113	107	-	—
熔点 MELTING POINT	度 °C	D3418	83	82	78	73	72	67	65	63	64	63	96	72
硬度 HARDNESS Shore A	萧氏 A Shore A	D2240	88	86	81	78	75	67	63	54	63	63	94	74

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UNITHENE® 联塑烯®

HIGH DENSITY POLYETHYLENE RESINS

高密度聚乙烯树脂

产品 Products / 物性 Physical Properties	单位 UNIT	检验方法 TEST METHOD (ASTM)	挤压 Extrusion	注塑成型 Injection Molding							
			LH901	LH503	LH506	LH606	LH606-13	LH514	LH523	LH5544	LH5564
主要用途 MAIN APPLICATIONS			•绳子 •渔网、沙窗网与滤网 •防水布、帆布与积层布 •蚊帐 •编织袋 • Rope • Fishing net, windows screen and filters • Tarpaulin, canvas and laminated cloth •Mosquito nets •Woven sack	•瓶盖 •运动护膝及护肘 •栈板 •Mineral water caps •Sports knee and elbow pads •Pallets	•运动用具 •工业用箱 • Sport utensils • Industrial cases	•水果箱、家庭用具、栈板 •食品容器 •蚊帐 •Fruit crates, housewares, transportation crates •Food containers •Mosquito nets	•啤酒箱、水果箱 •食品容器 •栈板 • Beer crates, fruit crates •Food containers •Pallets	•家庭用品 •玩具 • Housewares •Toys	•沙滩车外壳 •硅胶管 • ATV plastic body •Silicone sealant tube	•熔融浸渍工法 •粉末塗膠 •薄壁容器 •色母造粒 •Melt impregnation •Powder coating •Thin wall container • Master batch	•熔融浸渍工法 •粉末塗膠 •薄壁容器 •色母造粒 •Melt impregnation •Powder coating •Thin wall container • Master batch
熔值 MELT INDEX	克/10分 g/10min	D1238	0.95	4.1	5.5	6	6	12	23	44	64
密度 DENSITY	克/立方公分 g/cm^3	D792	0.953	0.956	0.955	0.962	0.962	0.956	0.956	0.955	0.955
降伏点抗张强度 YIELD POINT TENSILE STRENGTH 模片(MOLDED)	公斤/平方公分 kg/cm^2	D638	250	250	250	310	320	250	230	250	250
伸长率 ELONGATION 模片(MOLDED)	百分率 %	D638	1100	600	760	600	620	550	300	200	170
抗冲击强度 IZOD IMPACT STRENGTH	公斤力-公分/公分 kg-cm/cm	D256	55	12	9	7.0	7.0	4.0	3.5	3.2	2.9
弹性系数(模片) 1% SECANT MODULUS (MOLDED)	公斤/平方公分 kg/cm^2	D638	7400	8500	8400	9900	10000	7800	7600	—	—
扭转刚性 TORSIONAL STIFFNESS	公斤/平方公分 kg/cm^2	D1043	6100	10500	10000	12500	12500	9600	9200	—	—
弯曲刚性 FLEXURAL STIFFNESS	公斤/平方公分 kg/cm^2	D747	11000	9500	9200	9900	9900	8300	8200	—	—
低温脆裂温度 LOW TEMPERATURE BRITTLENESS	度/半数破坏 °C /F50*	D746	<-76	<-76	<-76	<-76	<-76	<-76	<-76	—	—
卫氏软化温度 VICAT SOFTENING TEMPERATURE	度 °C	D1525	125	125	125	127	127	125	123	120	120
熔点 MELTING POINT	度 °C	D3418	131	132	132	135	135	132	129	128	128
硬度 HARDNESS	萧氏 D Shore D	D2240	68	68	68	69	69	68	68	68	68

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PAXOTHENE® 百 塑 烯®

LOW DENSITY POLYETHYLENE RESINS
低密度聚乙烯树脂

LINATHENE® 线 塑 烯®

LINEAR LOW DENSITY POLYETHYLENE RESINS
线性低密度聚乙烯树脂

产品 Products / 物性 Physical Properties	单位 UNIT	检验方法 TEST METHOD (ASTM)	百塑烯® PAXOTHENE®				线塑烯® LINATHENE®				
			吹膜 Blown Film		注塑成型 Injection Molding		吹膜/铸膜挤压 Blown Film / Casting Film				滚塑成型 Rotomolding
			NA112-27	NA207-66	NA208	NA248	LL110	LL115C	LL120	LL120C	LL405
主要用途 MAIN APPLICATIONS			•手提袋、冷藏袋与夹链袋 •小型药水瓶 • Shopping bag, frozen food bag and reclosable bag •Eye drop bottle	•包装袋 •塑料树的树干 •Bags •Plastic tree trunk	•家庭用品 •奶粉罐软盖 •玩具 •圣诞灯泡 • Housewares • PE plastic lid for milk powder can • Toys •Christmas mini lights	•塑料花或叶部 •奶粉罐软盖 •Artificial flowers or leaves • PE plastic lid for milk powder can	•重包装袋 •内衬膜 •冷冻袋 •Heavy duty bags •Suit Interlining •Frozen food bags	•伸缩包装膜 •保鲜膜 •农业用膜 • Stretch film • Plastic wrap • Agricultural film	•内衬膜 •西装袋 •冷冻袋 •Sut Interlining •Garment bag •Frozen food bags	•伸缩包装膜 •保鲜膜 •农业用膜 • Stretch film • Plastic wrap • Agricultural film	•化学品的储槽、水桶 •流动厕所 •交通护栏 •溜滑梯 • Storage tanks for chemicals or water •Mobile toilet •Portable traffic barrier •Plastic slide
熔值 MELT INDEX	克/10分 g/10min	D1238	3	8	26	48	1	1.2	2	2	5.3
密度 DENSITY	克/立方公分 g/cm3	D792 D1505	- 0.919	- 0.919	- 0.923	- 0.916	0.920 -	0.919 -	0.922 -	0.919 -	0.936 -
降伏点抗张强度 YIELD POINT TENSILE STRENGTH A.模片(MOLDED) B.薄膜(FILM)MD+/TD++	公斤/平方公分 kg/cm2	D638 D882	B. 91/91	B.98/100	A.95	A.80	B. 100/90	—	B.115/100	B. 105/95	A.190
断裂点抗张强度 BREAK POINT TENSILE STRENGTH A.模片(MOLDED) B.薄膜(FILM)MD+/TD++	公斤/平方公分 kg/cm2	D638 D882	B.190/154	B.190/135	A.100	A.80	B.220/160	B.300/200	B.250/180	B.240/170	—
伸长率 ELONGATION A.模片(MOLDED) B.薄膜(FILM)MD+/TD++	百分率 %	D638 D882	B.340/550	B.350/480	A.120	A.240	B.500/600	B.510/650	B.450/550	B.500/600	A.900
低温脆裂温度 LOW TEMPERATURE BRITTLENESS	度/半数破坏 °C /F50*	D746	<-76	<-76	<-60	-37	<-76	<-76	<-76	<-76	<-76
卫氏软化温度 VICAT SOFTENING TEMPERATURE	度 °C	D1525	100	100	93	80	102	102	103	102	115
熔点 MELTING POINT	度 °C	D3418	108	109	112	100	122	122	122	122	125
硬度 HARDNESS	萧氏D Shore D	D2240	52	53	53	44	—	—	—	—	59
添加剂 Additives	A/B (Antiblocking Agent)	A/B	—	○	—	—	○	—	○	—	—
	SLIP (Slip Agent)	SLIP	○	○	—	—	○	—	○	—	—

MD+: Machine Direction　　MD+：吹膜加工方向
TD++: Transverse Direction　　TD++：吹膜横切方向
F50*: 50% failure　　F50*：50%破裂或脆裂

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