ORGALLOY®
LE 6000 NAT

Orgalloy® LE 6000 NAT树脂 是一种聚酰胺合金，专门设计用于电缆护套和吹膜挤出。该牌号专用于挤出，具有优异的阻隔特性，对于烃类、醇类和溶剂等具有优异的耐化学腐蚀性。符合食品接触材料相关的欧盟法规。

性能	干 / 已调节	单位	测试标准
流变性能			
熔体体积流动速度	2.5 / *	cm³/10min	ISO 1133
温度	235 / *	°C	-
	455 / *	°F	
载荷	2.16 / *	kg	-
	4.76 / *	lb	
模塑收缩率, 平行	0.8 / *	%	ISO 294-4, 2577
模塑收缩率, 垂直	0.7 / *	%	ISO 294-4, 2577
机械性能			
拉伸模量	1815 / 1400	MPa	ISO 527-1/-2
	263000 / 203000	psi	
屈服应力	44 / 36	MPa	ISO 527-1/-2
	6380 / 5220	psi	
屈服伸长率	4 / 7	%	ISO 527-1/-2
名义断裂伸长率	>50 / >50	%	ISO 527-1/-2
肖氏硬度D, 15 s	66 / *	-	ISO 868
拉伸蠕变模量, 1h	* / 1130	MPa	ISO 899-1
	* / 164000	psi	
拉伸蠕变模量, 1000h	* / 520	MPa	ISO 899-1
	* / 75400	psi	
简支梁冲击强度, +23°C	无断裂 / 无断裂	kJ/m²	ISO 179/1eU
简支梁冲击强度, -30°C	无断裂 / 无断裂	kJ/m²	ISO 179/1eU
简支梁缺口冲击强度, +23°C	29 / 35	kJ/m²	ISO 179/1eA
	13.8 / 16.6	ftlb/in²	
简支梁缺口冲击强度, -30°C	11 / 11	kJ/m²	ISO 179/1eA
	5.23 / 5.23	ftlb/in²	
屈服应力, 平行	25 / *	MPa	ISO 527-3
	3630 / *	psi	
屈服应力, 垂直	26 / *	MPa	ISO 527-3
	3770 / *	psi	
屈服应变., 平行	20 / *	%	ISO 527-3
屈服应变., 垂直	14 / *	%	ISO 527-3

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ARKEMA

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最大应力, 平行	53 / *	MPa	ISO 527-3
	7690 / *	psi	
最大应力, 垂直	41 / *	MPa	ISO 527-3
	5950 / *	psi	
最大应变, 平行	410 / *	%	ISO 527-3
最大应变, 垂直	490 / *	%	ISO 527-3
埃尔曼多夫撕裂强度, 平行	25 / *	N	ISO 6383-2
埃尔曼多夫撕裂强度, 垂直	150 / *	N	ISO 6383-2
落镖试验B	313 / *	g	ISO 7765-1
热性能			
熔融温度, 10°C/min	220 / *	°C	ISO 11357-1/-3
热变形温度, 1.80 MPa	50 / *	°C	ISO 75-1/-2
	122 / *	°F	
热变形温度, 0.45 MPa	84 / *	°C	ISO 75-1/-2
	183 / *	°F	
维卡软化温度, 50°C/h 50N	118 / *	°C	ISO 306
	244 / *	°F	
线性热膨胀系数, 平行	216 / *	E-6/K	ISO 11359-1/-2
线性热膨胀系数, 垂直	170 / *	E-6/K	ISO 11359-1/-2
阻燃等级，1.5mm厚	HB / *	class	IEC 60695-11-10
测试用试样的厚度	1.6 / *	mm	-
	0.0630 / *	in	
阻燃等级，厚度h	HB / *	class	IEC 60695-11-10
测试用试样的厚度	3.2 / *	mm	-
	0.1260 / *	in	
电性能			
相对耐漏电起痕指数, CTI	* / 600	-	IEC 60112
其它性能			
吸水性, 23°C, immersion, equilibrium	7 / *	%	ISO 62
吸湿性	2.5 / *	%	ISO 62
密度	1040 / 1040	kg/m³	ISO 1183
	1.04 / 1.04	g/cm³	
机械性能(薄膜)			
下水蒸汽透过率, 23°C/85%RH	60 / *	g/(m²*d)	ISO 15106-1/-2

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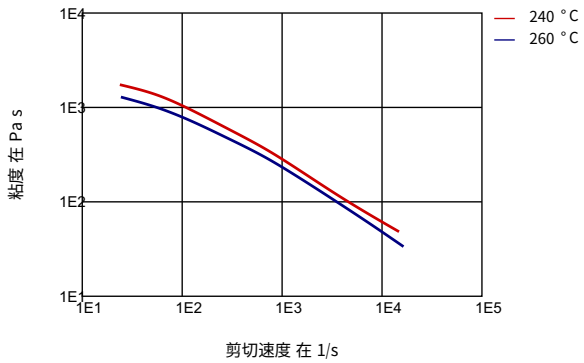
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氧气透过率, 23°C/0%r.h.	90 / *	cm³/(m²*d*bar)	ISO 15105-1/-2
氧气透过率, 23°C/85%r.h.	90 / *	cm³/(m²*d*bar)	ISO 15105-1/-2
二氧化碳透过率, 23°C/0%r.h.	290 / *	cm³/(m²*d*bar)	ISO 15105-1/-2
二氧化碳透过率, 23°C/85%r.h.	290 / *	cm³/(m²*d*bar)	ISO 15105-1/-2

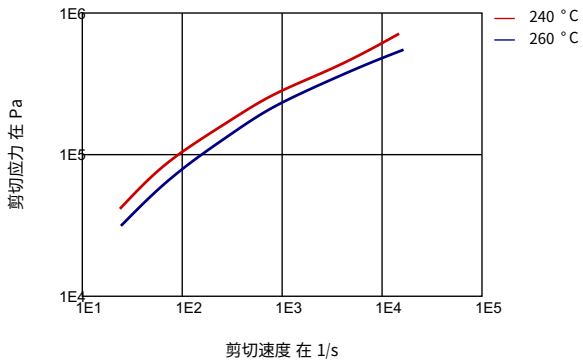
主要应用——电缆和& 数据线的烃类阻隔层
——食品和化学品包装
包装
该牌号出厂时已干燥并密封包装（25公斤袋装），可直接进行加工。
保质期
自发货之日起2年。有关过期使用的任何事宜，请咨询我司技术服务人员。

图表

粘度 - 剪切速度



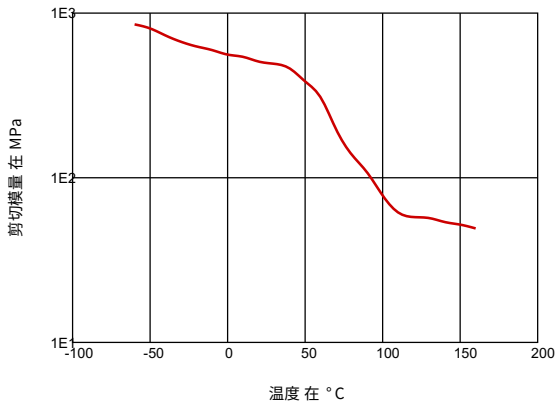
剪切应力 - 剪切速度



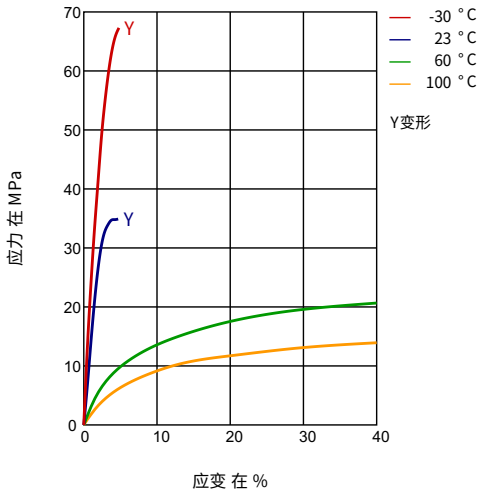
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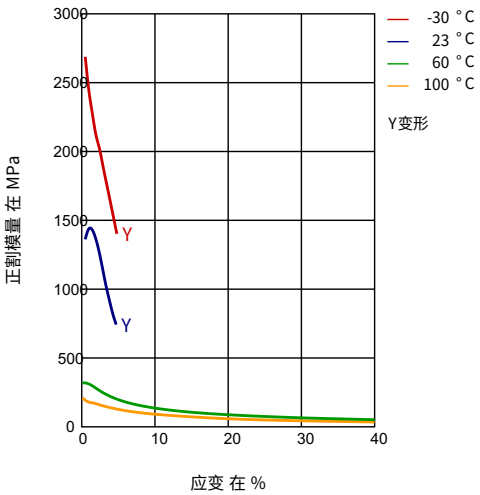
动态剪切模量 - 温度



应力 - 应变.



正割模量 - 应变.



加工条件：
—干燥时间和温度（只有包装袋打开2小时以上时才有必要干燥）：4-8小时，80℃
—挤出熔融温度（最小值-建议值-最大值）：250-260-270℃

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加工方法 异型材挤出成型, 片材挤出成型, 其它挤出成型	Headquarters: Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 hpp.arkema.com
供货形式 粒料	
特殊性能 热稳定, 光稳定	Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
地区供应 北美, 欧洲, 亚太, 中南美洲, 中东/非洲	

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