

UBE Nylon 1013B

聚酰胺6

UBE Engineering Plastics, S.A.

Technical Data

总体

材料状态	• 已商用：当前有效
资料 ¹	• Processing - Extrusion (English)
UL 黄卡 ²	• E173981-100115866 • E48133-240238
搜索 UL 黄卡	• UBE Engineering Plastics, S.A.
供货地区	• 北美洲
性能特点	• 刚性，高 • 减震 • 降噪 • 抗溶解性 • 抗撞击性，良好 • 耐化学性良好 • 耐磨蚀性，良好 • 耐热性，高 • 耐油性 • 脱模性能良好 • 自润滑
形式	• 颗粒料
加工方法	• 注射成型

物理性能	干燥	调节后的	单位制	测试方法
比重	1.14	--	(g/cm ³)	ASTM D792
收缩率 - 流动	0.014 到 0.015 (1.4 到 1.5)	--	in/in (%)	ASTM D955
吸水率				ASTM D570
24 hr	1.8	--	%	
饱和	11	--	%	
机械性能	干燥	调节后的	单位制	测试方法
抗张强度				ASTM D638
屈服	10700 (73.5)	5680 (39.2)	psi (MPa)	
断裂	9240 (63.7)	--	psi (MPa)	
伸长率				ASTM D638
屈服	8.0	--	%	
断裂	170	200	%	
弯曲模量	369000 (2550)	107000 (735)	psi (MPa)	ASTM D790
弯曲强度 (屈服)	15600 (108)	5680 (39.2)	psi (MPa)	ASTM D790
压缩强度	2840 (19.6)	1420 (9.80)	psi (MPa)	ASTM D695
剪切强度	9240 (63.7)	8530 (58.8)	psi (MPa)	ASTM D732
冲击性能	干燥	调节后的	单位制	测试方法
悬臂梁缺口冲击强度				ASTM D256
-22°F (-30°C)	0.73 (39)	--	ft·lb/in (J/m)	
73°F (23°C)	1.1 (59)	9.2 (490)	ft·lb/in (J/m)	

硬度	干燥	调节后的	单位制	测试方法
洛氏硬度				ASTM D785
M 计秤	85	55		
R 计秤	120	85		
热性能	干燥	调节后的	单位制	测试方法
热变形温度				ASTM D648
66 psi (0.45 MPa), 未退火	347 (175)	--	°F (°C)	
264 psi (1.8 MPa), 未退火	167 (75.0)	--	°F (°C)	
熔融温度	419 到 437 (215 到 225)	--	°F (°C)	
线形膨胀系数 - 流动	0.000044 (0.000080)	--	in/in/°F (cm/cm/°C)	ASTM D696
RTI Elec (0.0313 in (0.794 mm))	149 (65.0)	--	°F (°C)	UL 746
RTI Imp (0.0313 in (0.794 mm))	149 (65.0)	--	°F (°C)	UL 746
RTI Str (0.0313 in (0.794 mm))	149 (65.0)	--	°F (°C)	UL 746
电气性能	干燥	调节后的	单位制	测试方法
体积电阻率	1.0E+15	1.0E+12	ohm·cm	ASTM D257
介电强度	510 (20)	--	V/mil (kV/mm)	ASTM D149
介电常数				ASTM D150
60 Hz	3.90	9.00		
1 MHz	3.50	4.50		
耗散因数				ASTM D150
60 Hz	0.010	0.10		
1 MHz	0.020	0.12		
耐电弧性 (0.0313 in (0.794 mm))	119	--	sec	ASTM D495
可燃性	干燥	调节后的	单位制	测试方法
UL 阻燃等级 (0.0313 in (0.794 mm))	V-2	--		UL 94
注射	干燥 (英制)	干燥 (公制)		
建议的最大水分含量	0.10 %	0.10 %		
螺筒后部温度	428 °F	220 °C		
螺筒中部温度	446 °F	230 °C		
螺筒前部温度	473 °F	245 °C		
射嘴温度	473 °F	245 °C		
加工 (熔体) 温度	482 °F	250 °C		
模具温度	158 到 176 °F	70.0 到 80.0 °C		
注塑温度	9240 psi	63.7 MPa		
背压	1420 psi	9.80 MPa		
螺杆转速	100 到 150 rpm	100 到 150 rpm		

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备注

¹ 通过这些链接您能够访问供应商资料。我们尽量保证及时更新资料；不过您可以从供应商处了解最新资料。

² UL 黄卡含有 UL 验证的易燃性和电气特性。UL IDES 持续努力在 Prospector 中将黄卡链接至单个塑料材料，然而此列表可能未包括所有相应链接。重要的是，我们对 Prospector 中找到的这些黄卡和塑料材料之间的关联进行验证。如需完整的黄卡列表，请访问 UL 黄卡搜索。

³ 一般属性：这些不能被视为规格。

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UBE Engineering Plastics, S.A.

购买地点

供应商

UBE Nylon 1013B

UBE Engineering Plastics, S.A.

Castellon, Spain

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Web: <http://www.ube.es/>

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– Kevin Chase, Owner & President, Chase Plastics



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