

Technical Data

总体

材料状态	• 已商用：当前有效
资料 ¹	• Processing - Extrusion (English)
UL Yellow Card ²	• E48133-240238 • E173981-100115866
Search for UL Yellow Card	• UBE Engineering Plastics, S.A.
供货地区	• 北美洲
性能特点	<ul style="list-style-type: none"> • 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	1.4 到 1.5	--	%	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	73.5	39.2	MPa	
断裂	63.7	--	MPa	
伸长率				ASTM D638
屈服	8.0	--	%	
断裂	170	200	%	
弯曲模量	2550	735	MPa	ASTM D790
弯曲强度 (屈服)	108	39.2	MPa	ASTM D790
压缩强度	19.6	9.80	MPa	ASTM D695
剪切强度	63.7	58.8	MPa	ASTM D732
冲击性能	干燥	调节后的	单位制	测试方法
悬壁梁缺口冲击强度				ASTM D256
-30°C	39	--	J/m	
23°C	59	490	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
0.45 MPa, 未退火	175	--	°C	
1.8 MPa, 未退火	75.0	--	°C	
熔融温度	215 到 225	--	°C	
线形膨胀系数 - 流动	0.000080	--	cm/cm/°C	ASTM D696
RTI Elec (0.794 mm)	65.0	--	°C	UL 746
RTI Imp (0.794 mm)	65.0	--	°C	UL 746
RTI Str (0.794 mm)	65.0	--	°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

电气性能	干燥	调节后的	单位制	测试方法
介电强度	20	--	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 (0.794 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 (0.794 mm)	V-2	--		UL 94

注射	干燥	单位制
建议的最大水分含量	0.10 %	
螺筒后部温度	220 °C	
螺筒中部温度	230 °C	
螺筒前部温度	245 °C	
射嘴温度	245 °C	
加工 (熔体) 温度	250 °C	
模具温度	70.0 到 80.0 °C	
注塑温度	63.7 MPa	
背压	9.80 MPa	
螺杆转速	100 到 150 rpm	

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 A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL IDES continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

³ 一般属性：这些不能被视为规格。

UBE Nylon 1013B

聚酰胺6

UBE Engineering Plastics, S.A.

购买地点

Supplier

UBE Nylon 1013B

UBE Engineering Plastics, S.A.

Castellon, Spain

Telephone: +34 96 473 80 00

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

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Distributor

UBE Nylon 1013B

Please contact the supplier to find a distributor for UBE Nylon 1013B

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– Birgit Elvardt Bader, Production Manager, Micotron

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– Kevin Chase, Owner & President, Chase Plastics



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