UBE Nylon 1013B 聚酰胺6

UBE Engineering Plastics, S.A.



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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	E48133-240238E173981-100115866		
Search for UL Yellow Card	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	• 耐油性能 • 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/cm³	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
中击性能	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	
更度	 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

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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
		干燥 单位制		
建议的最大水分令量		0.10%		

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

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³一般属性:这些不能被视为规格。

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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/	
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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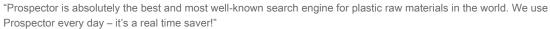


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- Birgit Elvardt Bader, Production Manager, Micotron

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- Kevin Chase, Owner & President, Chase Plastics



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