

Technical Data

产品说明

>50% Renewable Content, 3D printing grade

总体

材料状态	• 已商用：当前有效
资料 ¹	• Processing (English) • Technical Datasheet (English)
搜索 UL 黄卡	• DSM Engineering Plastics • Arnitel®
供货地区	• 北美洲 • 非洲和中东 • 拉丁美洲 • 欧洲 • 亚太地区
特性	• 可更新资源
用途	• Additive Manufacturing (3D Printing)
加工方法	• 3D Printing, Fused Filament Fabrication (FFF)
树脂 ID (ISO 1043)	• TPC

物理性能	额定值	单位制	测试方法
密度	1.10	g/cm ³	ISO 1183
吸水率 (平衡, 23°C, 50% RH)	0.040	%	ISO 62
机械性能	额定值	单位制	测试方法
拉伸模量 ³ (3D Printed)	29.0	MPa	ISO 527-2
拉伸应力			ISO 527-2
断裂, 3D Printed ⁴	8.00	MPa	
断裂, 3D Printed ⁵	7.60	MPa	
拉伸应变			ISO 527-2
断裂, 3D Printed ⁴	350	%	
断裂, 3D Printed ⁵	390	%	
硬度	额定值	单位制	测试方法
肖氏硬度 (邵氏 D, 3 秒)	34		ISO 868
热性能	额定值	单位制	测试方法
玻璃转化温度 ⁶	-35.0	°C	ISO 11357-2
维卡软化温度	90.0	°C	ISO 306/A50
熔融温度 ⁶	158	°C	ISO 11357-3
电气性能	额定值	单位制	测试方法
体积电阻率	> 1.0E+15	ohms-cm	IEC 60093
介电强度	20	kV/mm	IEC 60243-1

补充信息

The mechanical data is tested on printed tensile bars, printed in two directions: 0°-90° and 45°-45°

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 一般属性：这些不能被视为规格。

³ Tensile Bar 0°-90°

⁴ Tensile bar 0°-90°

⁵ Tensile bar 45°-45°

⁶ 10°C/min



购买地点

供应商

DSM Engineering Plastics
Evansville, IN USA
电话: 800-333-4237
Web: <http://www.dsmep.com/>

分销商

Channel Prime Alliance
电话: 800-247-8038
Web: <http://www.channelpa.com/>
供货地区: North America

Chase Plastic Services, Inc.
Chase Plastics Services is a North American distributor with representatives throughout the region. Please find your rep here: <http://www.chaseplastics.com/contact/locations>
电话: 800-232-4273
Web: <http://www.chaseplastics.com/>
供货地区: North America

Nexeo Plastics - Europe
Nexeo Plastics is a Pan European distribution company. Contact Nexeo for availability of individual products by country.
电话: +34-93-480-9125
Web: <https://www.nexeoplastics.com/>
供货地区: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Spain, Sweden, Switzerland, United Kingdom

RESINEX Group
RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.
电话: +32-14-672511
Web: <http://www.resinex.com/>
供货地区: Europe

TER HELL Plastic GmbH
TER HELL Plastic is a Pan European distribution company. Contact TER HELL Plastic for availability of individual products by country.
电话: +49-2366-5661-0
Web: <https://www.terplastics.com/>
供货地区: Austria, Bulgaria, Czech Republic, France, Germany, Hungary, Poland, Romania, Slovakia, Slovenia, Switzerland

广州三聚化工科技有限公司
电话: +86-20-3466-7988
Web: <http://3polymer.com>
供货地区: China

