

JS-UV-2018-R

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION 产品介绍

JS-UV-2018-R is a clear SL resin which has accurate and durable features. It is designed for solid state SLA platforms. JS-UV-2018-R can be applied in master patterns, concept models, general parts and functional prototypes in the field of automotive, medical and consumer electronics industries. JS-UV-2018-R 是一种具备精确和耐久特性的完全透明的立体光造型树脂。它被用于固态激光的光固化成型法。JS-UV-2015-T 可应用于汽车、医疗、消费电子等工业领域的母模，概念模型，一般部件，功能性部件的制作。

TYPICAL FEATURES 典型特点

- The medium viscosity of the liquid resin makes the re-coating as well as the machine and parts cleaning easier 中等粘度的液态树脂，确保其更容易涂层以及清洗部件和机器
- Improved strength and dimension retention in humid condition 在潮湿环境中具有更好的强度及尺寸保持特性
- Good green strength, so need minimal part finishing 极佳的生坯强度，只需要极小的部件修饰

TYPICAL BENEFITS 典型优点

- Superior clear, building parts with outstanding clarity and excellent accuracy 异常透明，可建造完全透明及精确的部件
- Need less part finishing time, easier post-curing 更少的部件完成时间

Physical Properties – Liquid Material 液态材料的物理性能

Appearance 外观	Clear 透明
Density 密度	1.12g/cm ³ @ 25 °C
Viscosity 粘度	408cps @ 26 °C
Dp 固化深度	0.18 mm
Ec 临界曝光量	6.7 mJ/cm ²
Building layer thickness 建造层厚	0.1mm

Mechanical Properties of Post-Cured Material 固化后材料的机械性能

MEASUREMENT 测试项目	TEST METHOD 测试方法	VALUE 数值
		90-minute UV post-cure 90 分钟紫外固化
Hardness 硬度, Shore D	ASTM D 2240	83
Flexural modulus 弯曲模量, Mpa	ASTM D 790	2,680-2,790
Flexural strength 弯曲强度, Mpa	ASTM D 790	75- 83
Tensile modulus 拉伸模量, MPa	ASTM D 638	2,580-2,670
Tensile strength 拉伸强度, MPa	ASTM D 638	45-60
Elongation at break 断裂延长率	ASTM D 638	11-20%
Impact strength,notched Izod, J/m 缺口冲击强度	ASTM D 256	38 - 48
Heat deflection temperature, °C 热变形温度	ASTM D 648 @66PSI	52
Glass transition,Tg 玻璃化转变温度, °C	DMA, E” peak	62