

# CAMPUS® 数据表

Novodur® E401 - ABS

INEOS Styrolution Europe GmbH

**INEOS**  
**STYROLUTION**

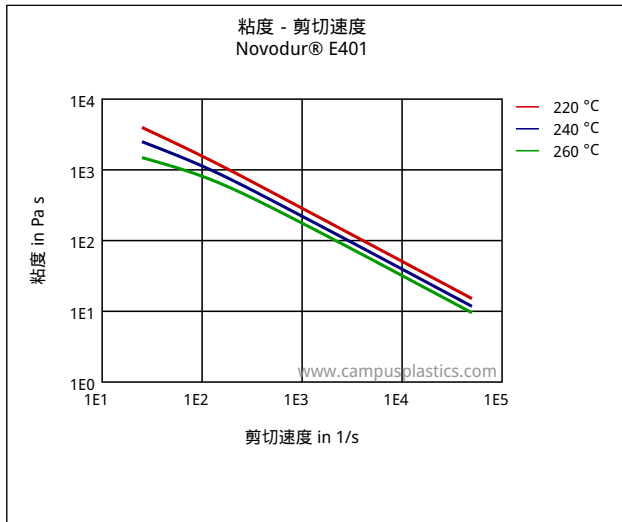
## 材料文字说明

very high impact resistance, high gloss surfaces

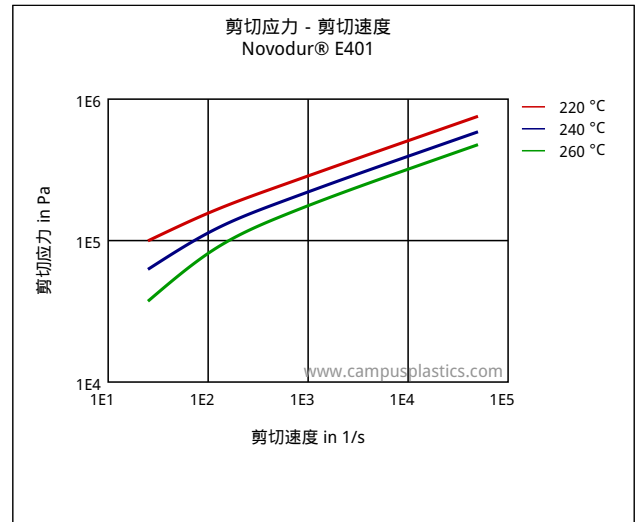
流变性能	价值	单位	测试标准
熔体体积流动速度, MVR	5	cm <sup>3</sup> /10min	ISO 1133
温度	220	°C	ISO 1133
负荷	10	kg	ISO 1133
机械性能	价值	单位	测试标准
拉伸模量	1900	MPa	ISO 527-1/-2
屈服应力	40	MPa	ISO 527-1/-2
屈服伸长率	2.5	%	ISO 527-1/-2
无缺口简支梁冲击强度, +23°C	210	kJ/m <sup>2</sup>	ISO 179/1eU
无缺口简支梁冲击强度, -30°C	170	kJ/m <sup>2</sup>	ISO 179/1eU
简支梁缺口冲击强度, +23°C	30	kJ/m <sup>2</sup>	ISO 179/1eA
简支梁缺口冲击强度, -30°C	16	kJ/m <sup>2</sup>	ISO 179/1eA
热性能	价值	单位	测试标准
热变形温度, 1.80 MPa	94	°C	ISO 75-1/-2
热变形温度, 0.45 MPa	100	°C	ISO 75-1/-2
维卡软化温度, 50°C/h 50N	99	°C	ISO 306
线膨胀系数, 平行	90	E-6/K	ISO 11359-1/-2
1.5mm名义厚度时的燃烧性	HB	class	IEC 60695-11-10
测试用试样的厚度	1.6	mm	IEC 60695-11-10
电性能	价值	单位	测试标准
相对介电常数, 100Hz	3.1	-	IEC 62631-2-1
相对介电常数, 1MHz	2.9	-	IEC 62631-2-1
介质损耗因子, 100Hz	50	E-4	IEC 62631-2-1
介质损耗因子, 1MHz	90	E-4	IEC 62631-2-1
体积电阻率	>1E13	Ohm*m	IEC 62631-3-1
表面电阻率	>1E15	Ohm	IEC 62631-3-2
介电强度	35	kV/mm	IEC 60243-1
相对漏电起痕指数	600	-	IEC 60112
其它性能	价值	单位	测试标准
密度	1040	kg/m <sup>3</sup>	ISO 1183
流变计算用参数.	价值	单位	测试标准
熔体密度	885	kg/m <sup>3</sup>	-
熔体	0.127	W/(m K)	-
熔体的比热	1800	J/(kg K)	-
喷射温度	90	°C	-
试样制备条件	价值	单位	测试标准
注塑, 熔体温度	240	°C	ISO 294
注塑, 模具温度	70	°C	ISO 294
注塑, 注射速度	240	mm/s	ISO 294

**函数**

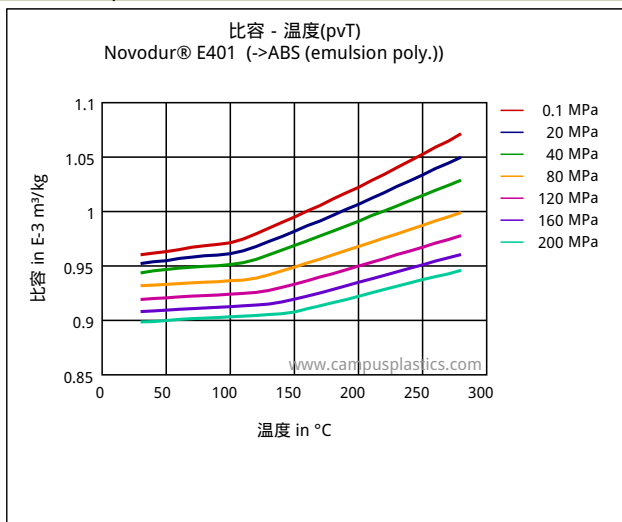
**粘度 - 剪切速度**



**剪切应力 - 剪切速度**



**比容 - 温度(pvT)**



**典型数据**

**加工方法**

注塑, 异型材挤出成型, 片材挤出成型, 其它挤出成型

**地区供应**

欧洲, 亚太, 中南美洲, 中东/非洲

**供货形式**

粒料

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**Novodur® E401 - ABS**  
**INEOS Styrolution Europe GmbH**

In order to check the availability of products please contact us or our sales agency.

For more information about our products contact

Ineos Styrolution Infopoint  
<mailto:INSTY.emea@ineos.com>  
Tel.: +49-2133-9309 168

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