

# Crastin<sup>®</sup> SK603 NC010

## THERMOPLASTIC POLYESTER RESIN

### 流变性能

模塑收缩率, 平行	0.3 %	ISO 294-4, 2577
模塑收缩率, 垂直	1.1 %	ISO 294-4, 2577

### 机械性能

拉伸模量	7000 MPa	ISO 527-1/-2
断裂应力	120 MPa	ISO 527-1/-2
断裂伸长率	3.2 %	ISO 527-1/-2
简支梁无缺口冲击强度, +23°C	60 kJ/m <sup>2</sup>	ISO 179/1eU
简支梁无缺口冲击强度, -30°C	55 kJ/m <sup>2</sup>	ISO 179/1eU
简支梁缺口冲击强度, +23°C	9 kJ/m <sup>2</sup>	ISO 179/1eA
简支梁缺口冲击强度, -30°C	8 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.35 -	

### 热性能

熔融温度, 10°C/min	224 °C	ISO 11357-1/-3
玻璃化转变温度, 10°C/min	55 °C	ISO 11357-1/-2
热变形温度, 1.80 MPa	205 °C	ISO 75-1/-2
热变形温度, 0.45 MPa	220 °C	ISO 75-1/-2

### 燃烧性能

FMVSS Class	B -	ISO 3795 (FMVSS 302)
燃烧速率, 厚度 : 1毫米	28 mm/min	ISO 3795 (FMVSS 302)

### 其它性能

吸湿性, 2mm	0.15 %	类似ISO 62
吸水性, 2mm	0.4 %	类似ISO 62
密度	1450 kg/m <sup>3</sup>	ISO 1183

### 注塑

建议干燥	是
干燥温度	120 °C
干燥时间, 除湿干燥机	2 - 4 h
加工前水分含量	≤ 0.04 %
优良熔体温度	250 °C
注塑 熔体温度	240 °C
注塑 熔体温度	260 °C
优良模具温度	80 °C
模具温度	30 °C
模具温度	130 °C
保压范围	≥ 60 MPa
保压时间	3 s/mm



# Crastin<sup>®</sup> SK603 NC010

THERMOPLASTIC POLYESTER RESIN

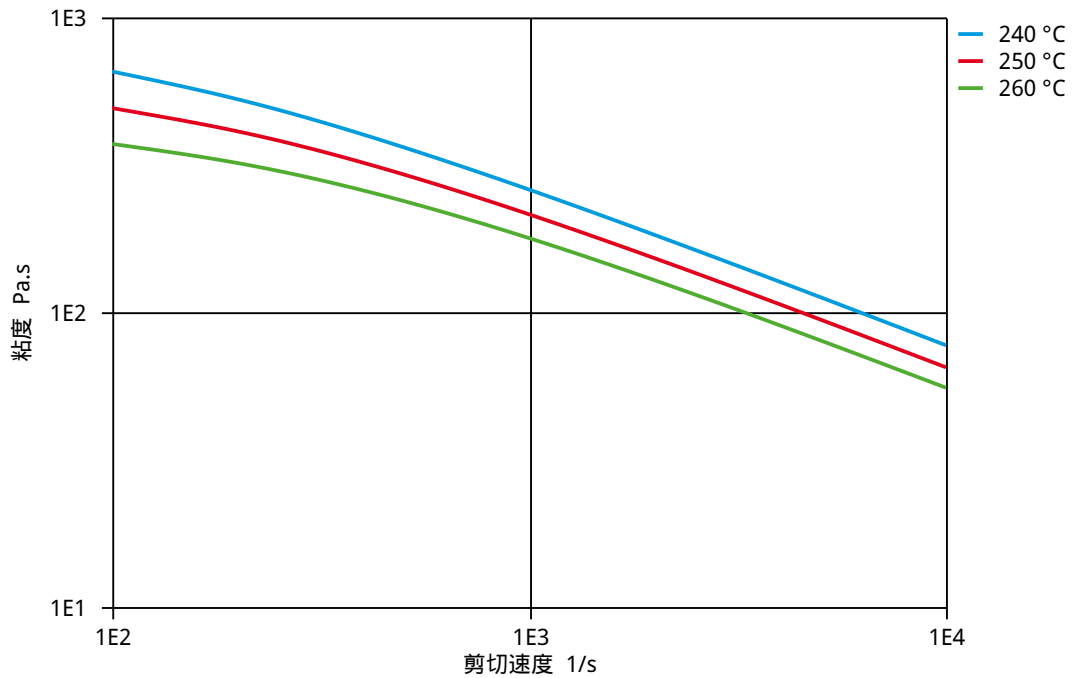
背压

As low as MPa possible

喷射温度

170 °C

粘度 - 剪切速度

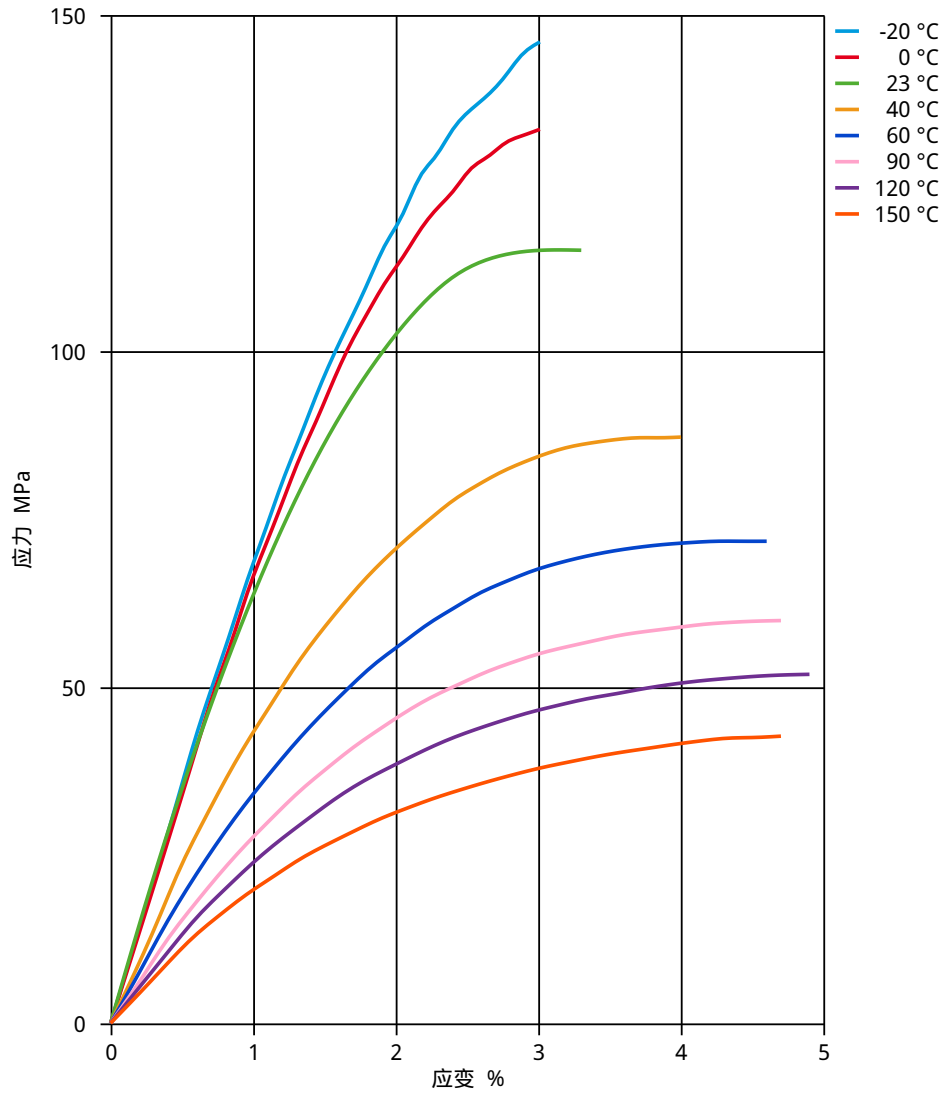




# Crastin<sup>®</sup> SK603 NC010

THERMOPLASTIC POLYESTER RESIN

应力 - 应变.

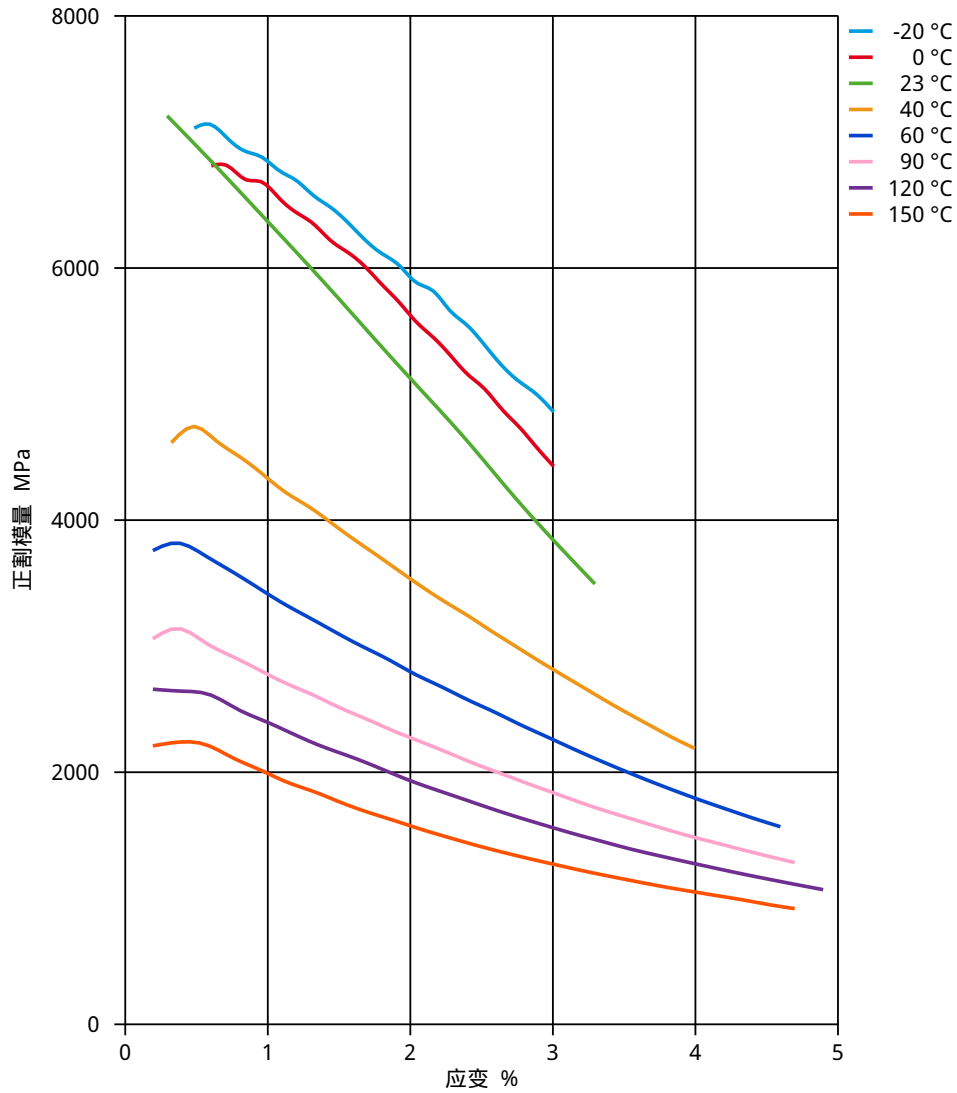




# Crastin<sup>®</sup> SK603 NC010

THERMOPLASTIC POLYESTER RESIN

正割模量 - 应变.

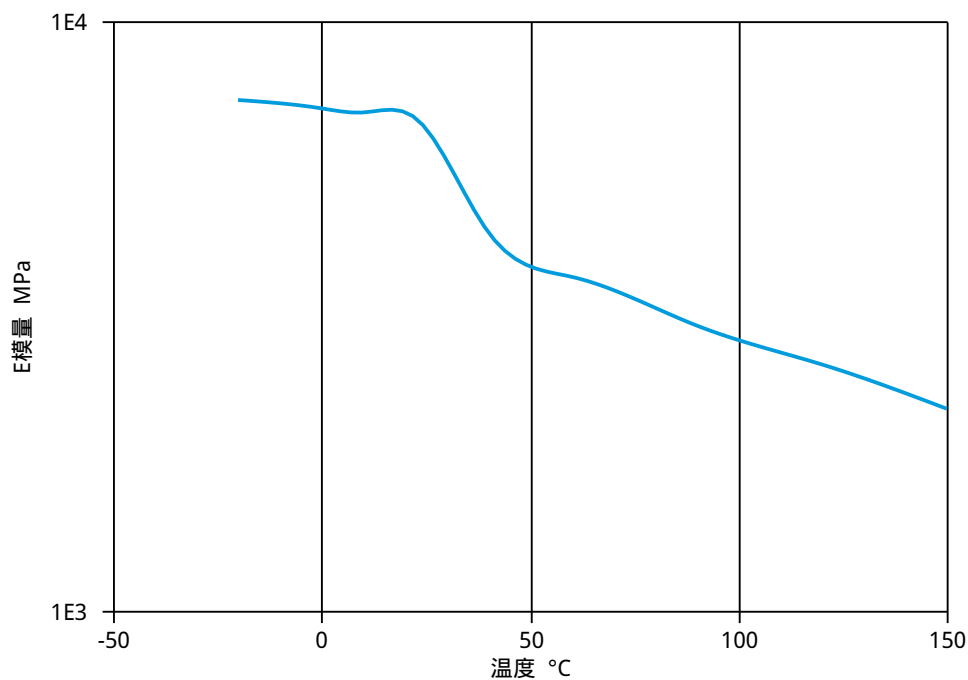




# Crastin® SK603 NC010

## THERMOPLASTIC POLYESTER RESIN

### 拉伸模量 - 温度



Revised: 2021-11-04

Page: 5 of 5

[dupont.com](http://dupont.com)

The information set forth herein is furnished free of charge, is based on technical data that DuPont believes to be reliable, and represents typical values that fall within the normal range of properties. This information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in other processes. It is intended for use by persons having technical skill, at their own discretion and risk. This information should not be used to establish specification limits nor used alone as the basis of design. Handling precaution information is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards and comply with applicable law. Since conditions of product use and disposal are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. As with any product, evaluation under end-use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate or a recommendation to infringe on patents.

CAUTION: Do not use DuPont materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract or other acknowledgement that is consistent with the DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative.

DuPont's sole warranty is that our products will meet our standard sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DUPONT SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR NON-INFRINGEMENT. DUPONT DISCLAIMS LIABILITY FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted.

© 2021 DuPont. All rights reserved.