



Rynite® FR543 BK507 (PRELIMINARY)

THERMOPLASTIC POLYESTER RESIN

Rynite® FR543 BK507是一种43% 玻纤增强, 阻燃, PET

总说明

树脂鉴别	PET-GF43FR(17)	ISO 1043
制品标识码	>PET-GF43FR(17)<	ISO 11469

流变性能

模塑收缩率, 平行	0.2 %	ISO 294-4, 2577
模塑收缩率, 垂直	0.8 %	ISO 294-4, 2577
熔体粘度	200 Pa.s	ISO 11443

机械性能

拉伸模量	15600 MPa	ISO 527-1/-2
断裂应力	160 MPa	ISO 527-1/-2
断裂伸长率	1.5 %	ISO 527-1/-2
断裂应变	1.6 %	ASTM D 638
弯曲模量	16500 MPa	ISO 178
弯曲强度	275 MPa	ISO 178
简支梁缺口冲击强度, +23°C	10.5 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.33 -	

热性能

熔融温度, 10°C/min	254 °C	ISO 11357-1/-3
玻璃化转变温度, 10°C/min	90 °C	ISO 11357-1/-2
相对温度指数, 电气性能, 0.75mm	155 °C	UL 746B
相对温度指数, 电气性能, 1.5mm	155 °C	UL 746B
相对温度指数, 电气性能, 3mm	155 °C	UL 746B
相对温度指数, 冲击, 0.75mm	155 °C	UL 746B
相对温度指数, 冲击, 1.5mm	155 °C	UL 746B
相对温度指数, 冲击, 3mm	155 °C	UL 746B
相对温度指数, 强度, 0.75mm	155 °C	UL 746B
相对温度指数, 强度, 1.5mm	155 °C	UL 746B
相对温度指数, 强度, 3mm	155 °C	UL 746B

燃烧性能

1.5mm名义厚度时的燃烧性	V-0 class	IEC 60695-11-10
测试用试样的厚度	1.5 mm	IEC 60695-11-10
UL注册	yes -	UL 94
厚度为h时的燃烧性	V-0 class	IEC 60695-11-10
测试用试样的厚度	0.8 mm	IEC 60695-11-10
UL注册	yes -	UL 94



Rynite® FR543 BK507 (PRELIMINARY)

THERMOPLASTIC POLYESTER RESIN

Revised: 2021-10-22

Page: 3 of 3

dupont.com

The above data are preliminary and are subject to change as additional data are developed on subsequent lots.

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.