



Zytel® 70K20HSL BK284

NYLON RESIN

Zytel® 70K20HSL BK284是一种20% Kevlar® 纤维增强, 热稳定, 尼龙66

总说明

树脂鉴别	PA66-RF20	ISO 1043
制品标识码	>PA66-RF20<	ISO 11469
ISO名称	ISO 16396-PA66,AF20,M1CGHR,S14-050	

流变性能

	dry/cond.		
模塑收缩率, 平行	0.9/-	%	ISO 294-4, 2577
模塑收缩率, 垂直	1.4/-	%	ISO 294-4, 2577

机械性能

	dry/cond.		
拉伸模量	5300/3500	MPa	ISO 527-1/-2
断裂应力	110/85	MPa	ISO 527-1/-2
断裂伸长率	5/7.2	%	ISO 527-1/-2
简支梁无缺口冲击强度, +23°C	50/65	kJ/m ²	ISO 179/1eU
简支梁缺口冲击强度, +23°C	6/9	kJ/m ²	ISO 179/1eA
Poisson's ratio	0.35/0.37	-	

热性能

	dry/cond.		
熔融温度, 10°C/min	263/*	°C	ISO 11357-1/-3
玻璃化转变温度, 10°C/min	80/-	°C	ISO 11357-1/-2
热变形温度, 1.80 MPa	222/*	°C	ISO 75-1/-2
热变形温度, 0.45 MPa	255/*	°C	ISO 75-1/-2
维卡软化温度, 50°C/h 50N	240/*	°C	ISO 306
线膨胀系数, 平行	47/*	E-6/K	ISO 11359-1/-2
线膨胀系数, 垂直	75/*	E-6/K	ISO 11359-1/-2

燃烧性能

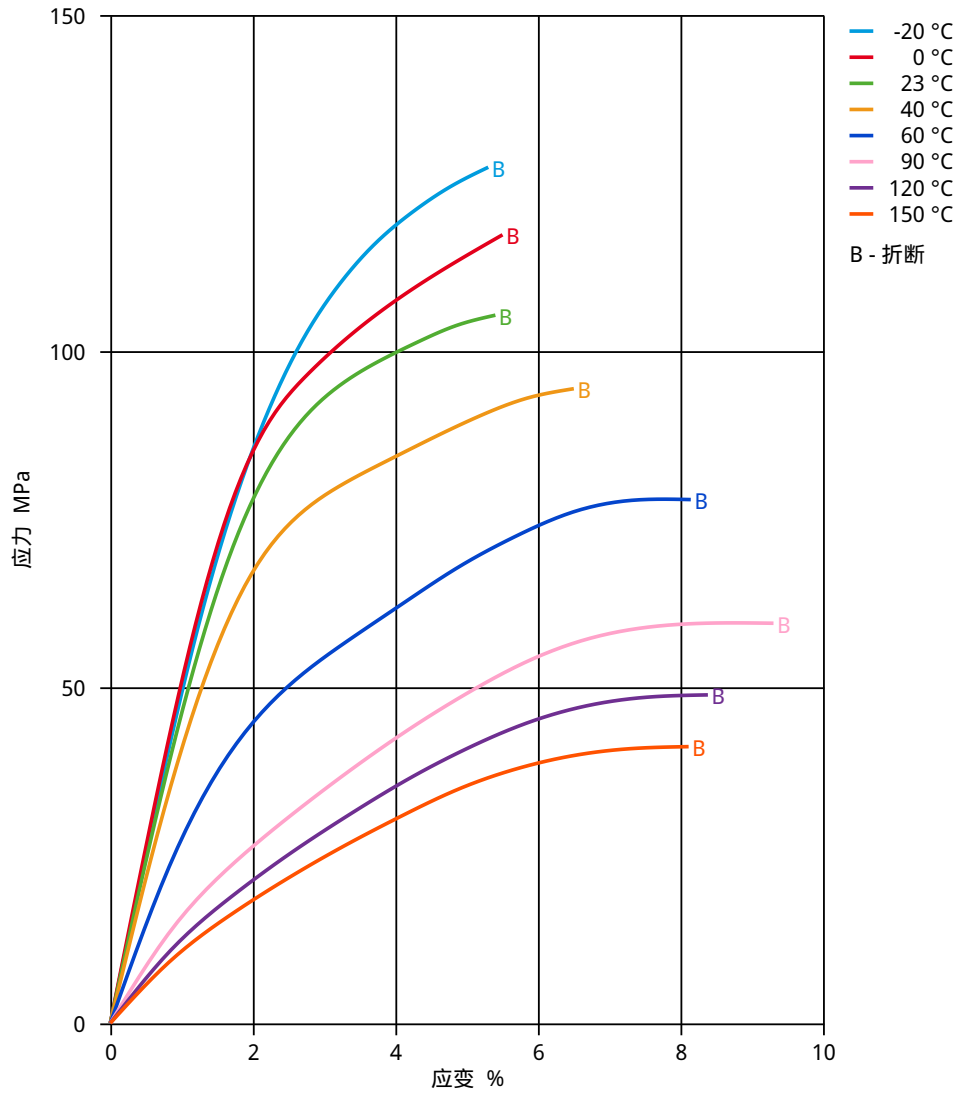
	dry/cond.		
灼热丝燃烧指数, 1mm	750/-	°C	IEC 60695-2-12
灼热丝燃烧指数, 2mm	750/-	°C	IEC 60695-2-12
灼热丝燃烧指数, 3mm	960/-	°C	IEC 60695-2-12
灼热丝起燃温度, 1mm	750/-	°C	IEC 60695-2-13
灼热丝起燃温度, 2mm	750/-	°C	IEC 60695-2-13
灼热丝起燃温度, 3mm	750/-	°C	IEC 60695-2-13
FMVSS Class	B	-	ISO 3795 (FMVSS 302)
燃烧速率, 厚度: 1毫米	<80	mm/min	ISO 3795 (FMVSS 302)



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应力 - 应变. (dry)

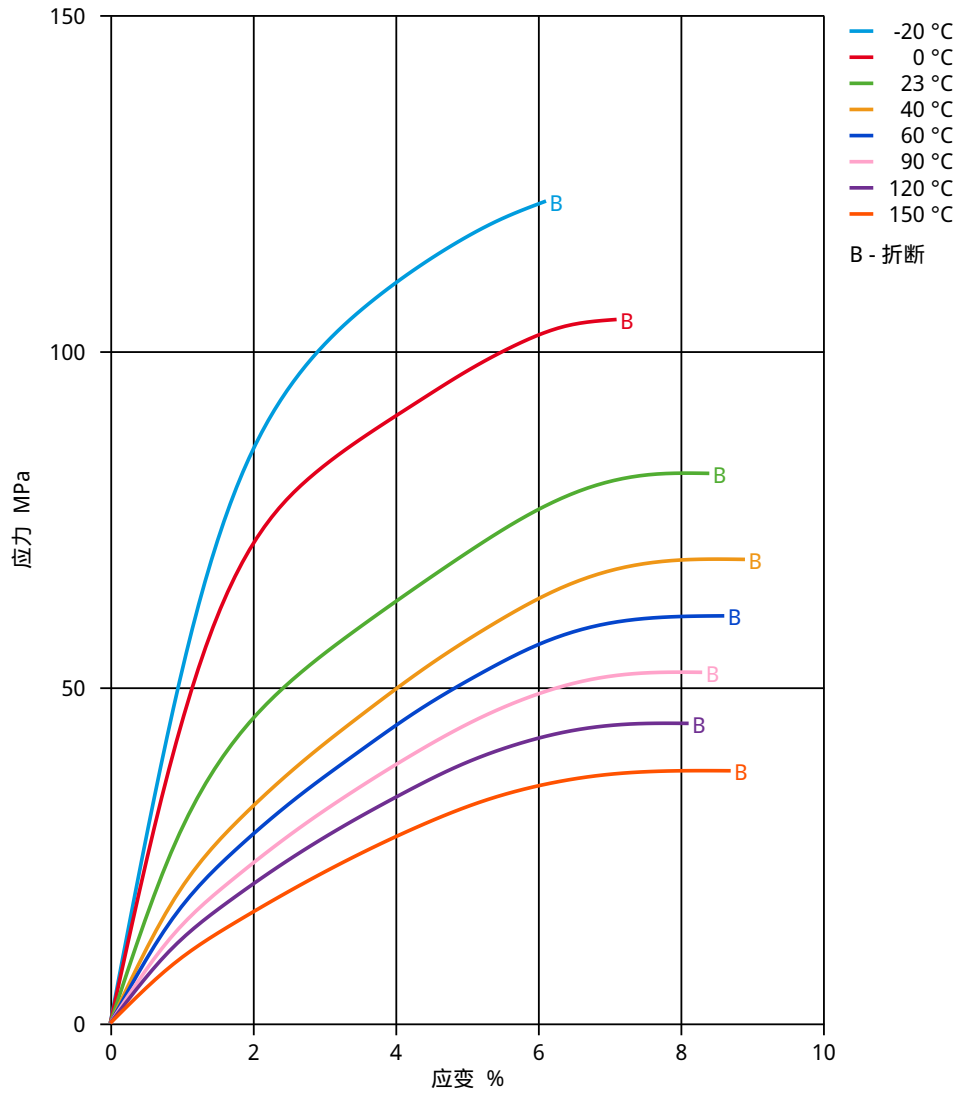




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应力 - 应变. (cond.)

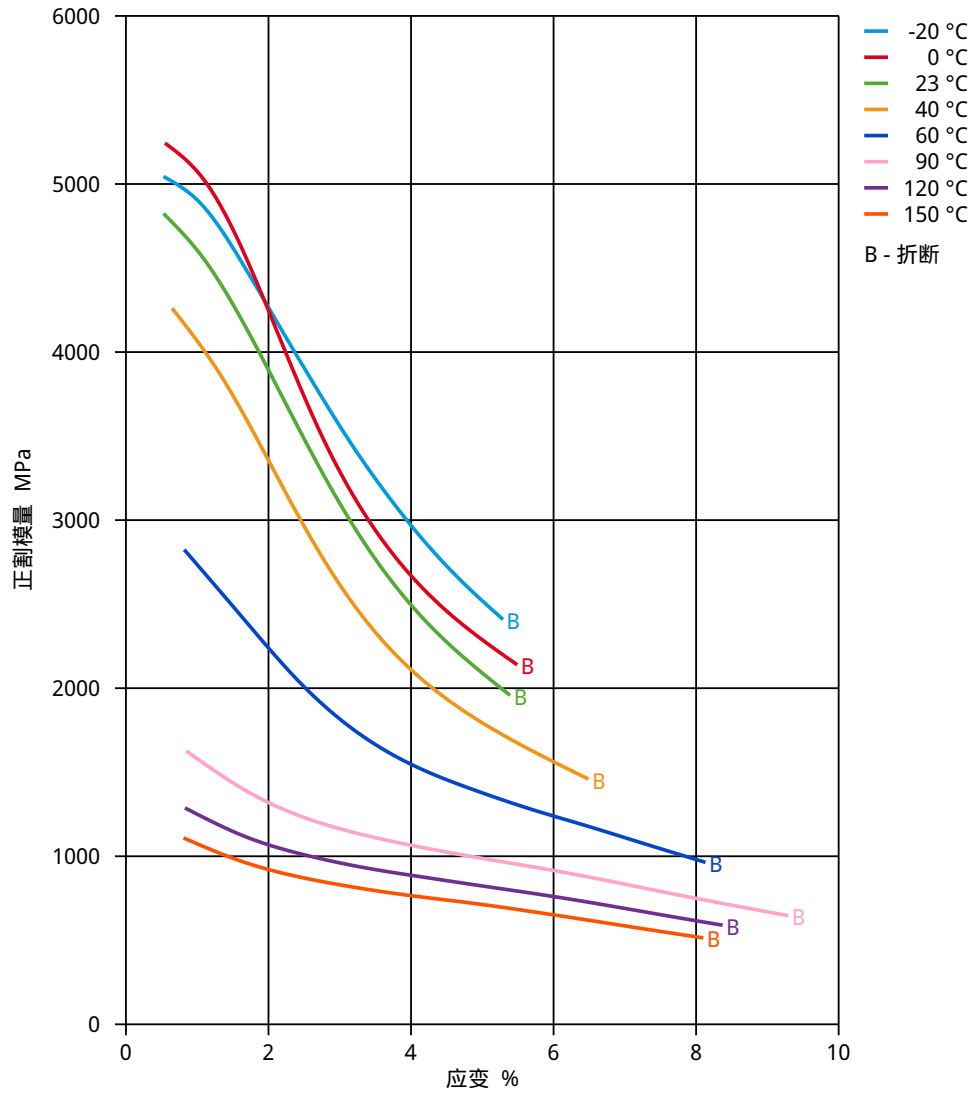




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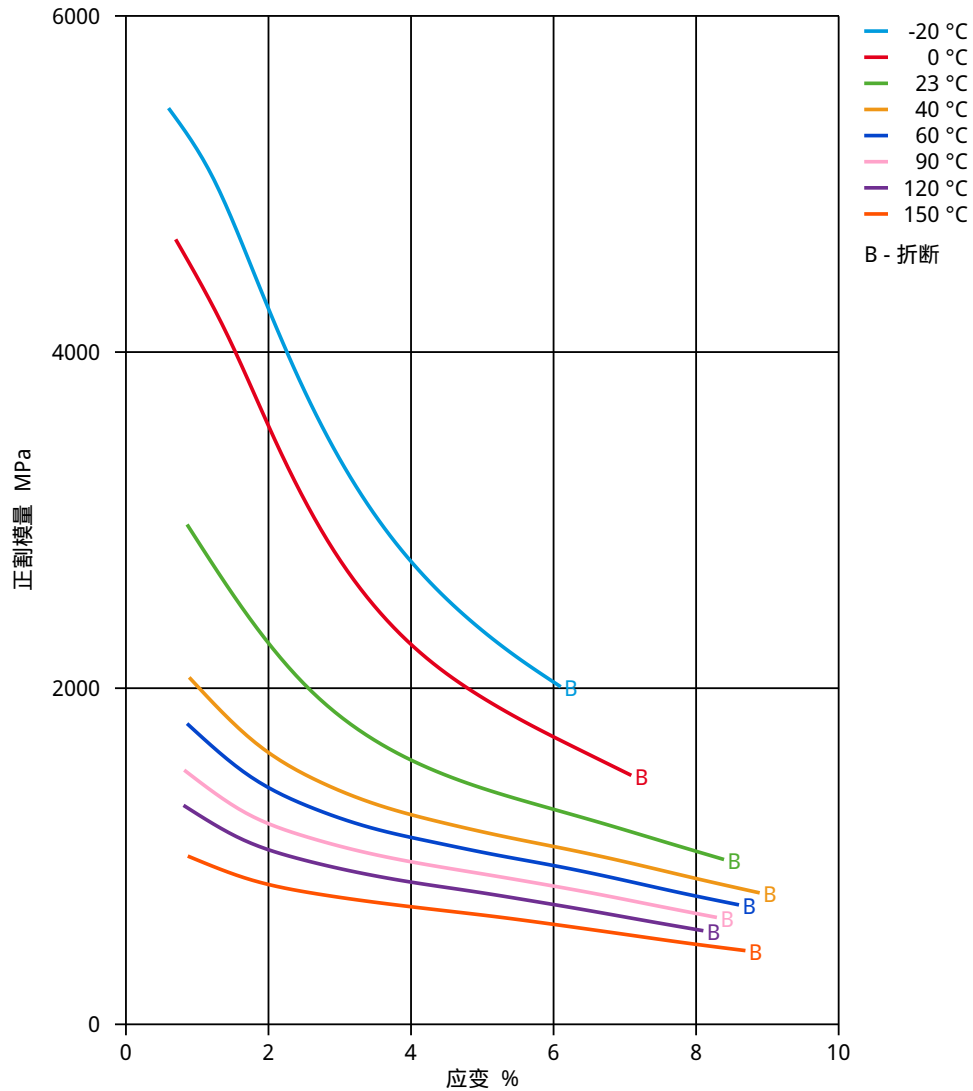
正割模量 - 应变. (dry)



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正割模量 - 应变. (cond.)



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