

Zytel® 73G40T BK416

NYLON RESIN

Zytel® 73G40T BK416是一种40% 玻纤增强, 热稳定,增韧, 尼龙6

总说明

树脂鉴别	PA6-IGF40	ISO 1043
制品标识码	>PA6-IGF40<	ISO 11469
ISO名称	ISO 16396-PA6-I,GF40,M1CGR,S12-120	

流变性能

	dry/cond.		
粘数.	130/*	cm ³ /g	ISO 307, 1157, 1628
模塑收缩率, 平行	0.2/0.1	%	ISO 294-4, 2577
模塑收缩率, 垂直	0.6/0.3	%	ISO 294-4, 2577
熔体粘度	190/*	Pa.s	ISO 11443

机械性能

	dry/cond.		
拉伸模量	13000/8000	MPa	ISO 527-1/-2
断裂应力	210/150	MPa	ISO 527-1/-2
断裂伸长率	3.8/7	%	ISO 527-1/-2
弯曲模量	11000/8000	MPa	ISO 178
弯曲强度	310/190	MPa	ISO 178
简支梁无缺口冲击强度, +23°C	100/110 ^[DS]	kJ/m ²	ISO 179/1eU
简支梁无缺口冲击强度, -30°C	80/-	kJ/m ²	ISO 179/1eU
简支梁缺口冲击强度, +23°C	19/23	kJ/m ²	ISO 179/1eA
简支梁缺口冲击强度, -30°C	14/14	kJ/m ²	ISO 179/1eA
Poisson's ratio	0.33/0.34	-	

[DS]: Derived from similar grade

热性能

	dry/cond.		
熔融温度, 10°C/min	220/*	°C	ISO 11357-1/-3
玻璃化转变温度, 10°C/min	55/15	°C	ISO 11357-1/-2
热变形温度, 1.80 MPa	215/*	°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	<80 mm/min	ISO 3795 (FMVSS 302)

其它性能

	dry/cond.		
吸湿性, 2mm	1.7/* ^[DS]	%	类似ISO 62
吸水性, 2mm	5.3/* ^[DS]	%	类似ISO 62
密度	1440/-	kg/m ³	ISO 1183

[DS]: Derived from similar grade



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注塑

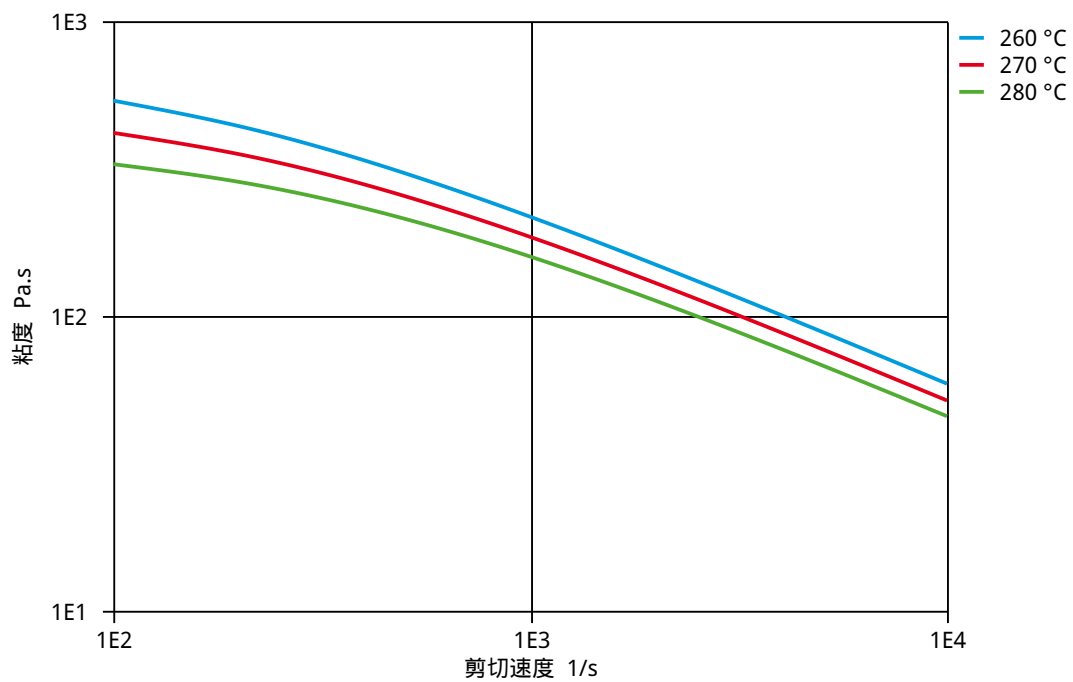
建议干燥	是
干燥温度	80 °C
干燥时间, 除湿干燥机	2 - 4 h
加工前水分含量	≤ 0.2 %
优良熔体温度	270 °C
注塑 熔体温度	260 °C
注塑 熔体温度	280 °C
螺杆大的切线速度	0.2 m/s
优良模具温度	100 °C
模具温度	70 °C
模具温度	120 °C
保压范围	50 - 100 MPa
保压时间	3 s/mm



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粘度 - 剪切速度

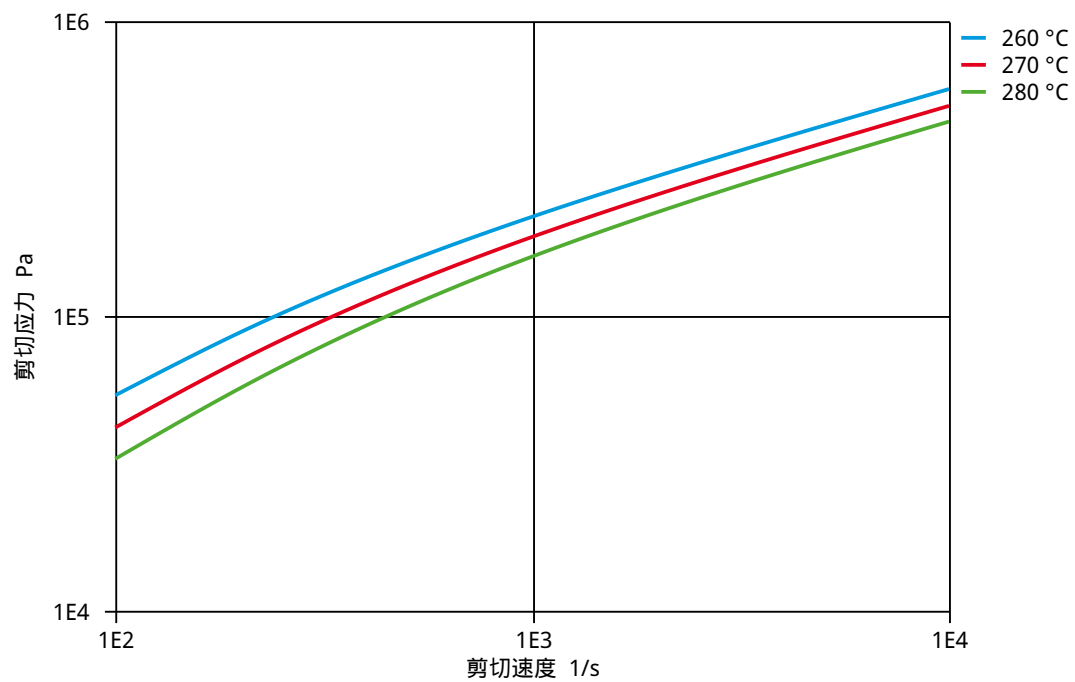




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剪切应力 - 剪切速度

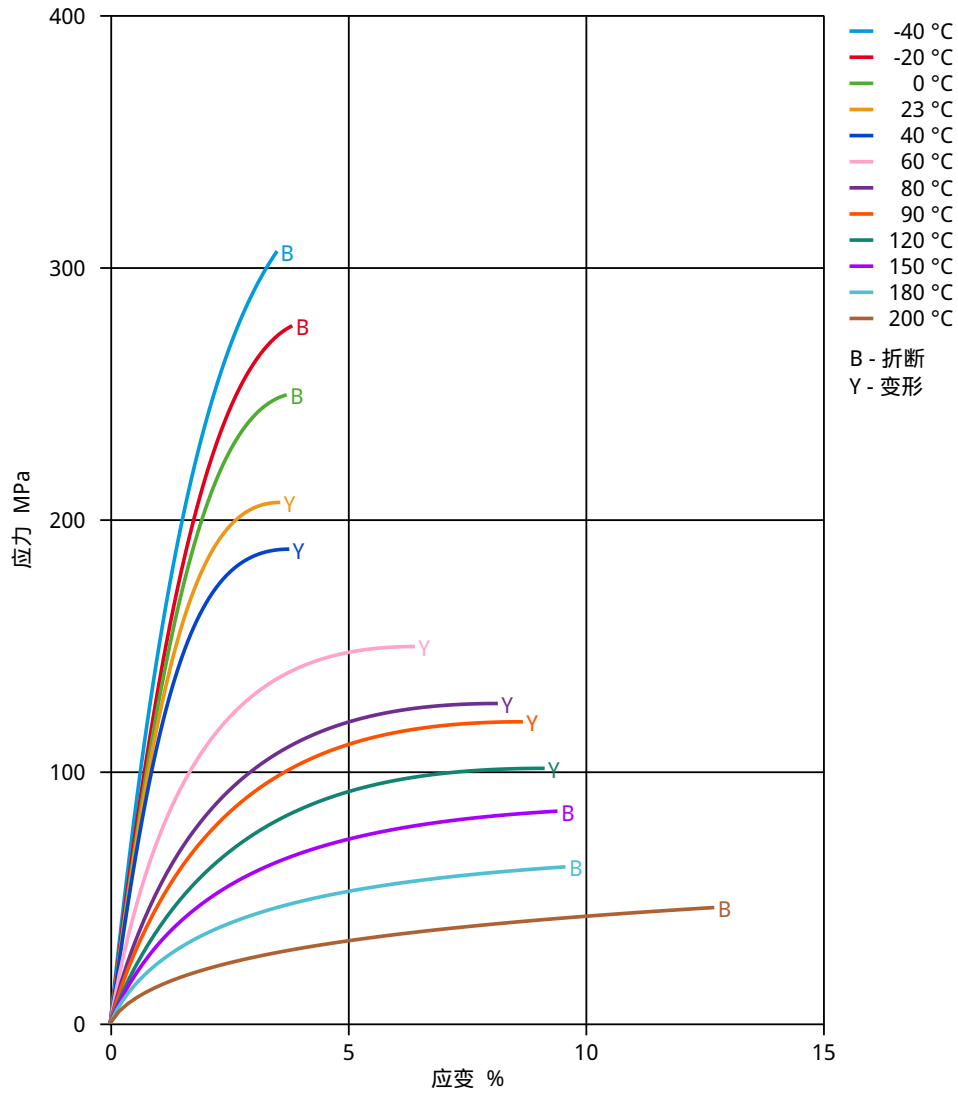




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应力 - 应变. (dry)

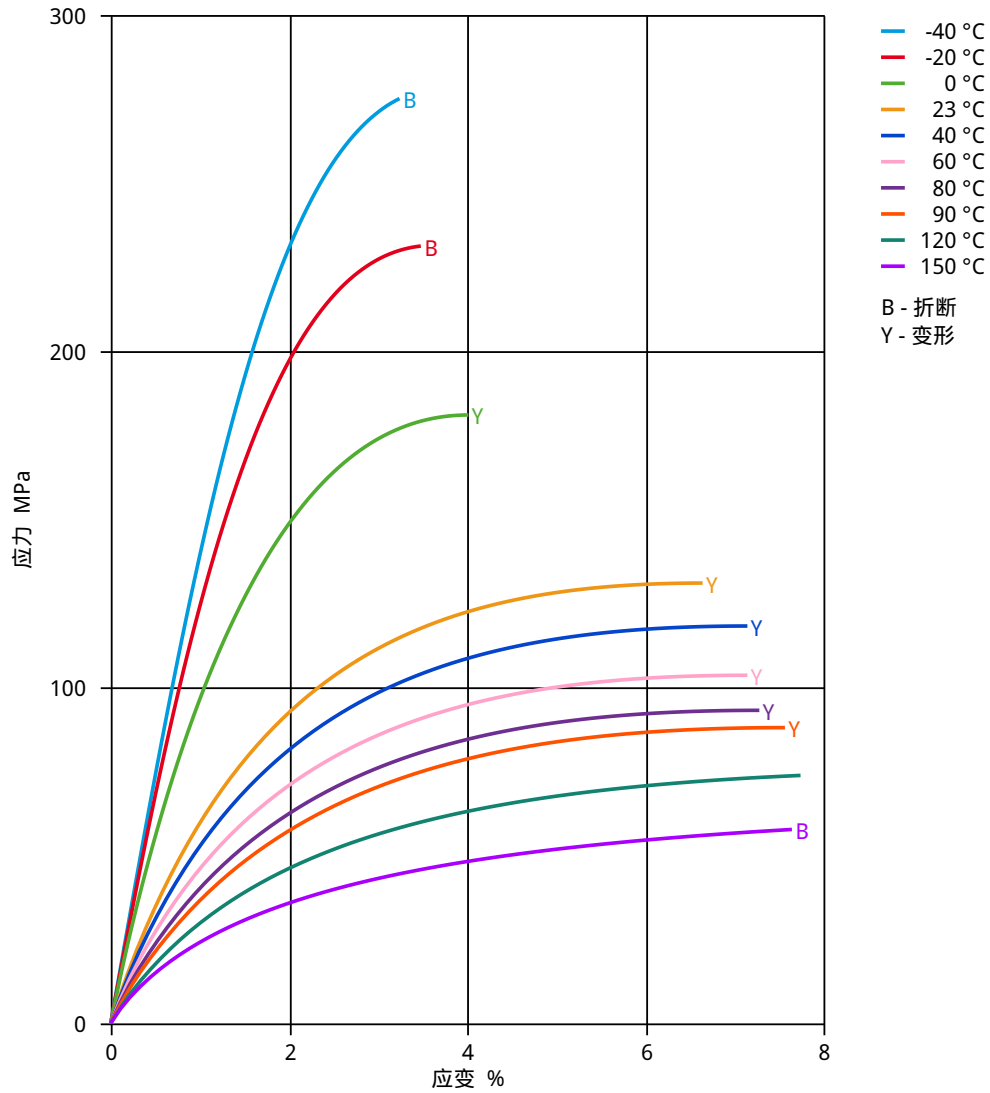




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应力 - 应变. (cond.)

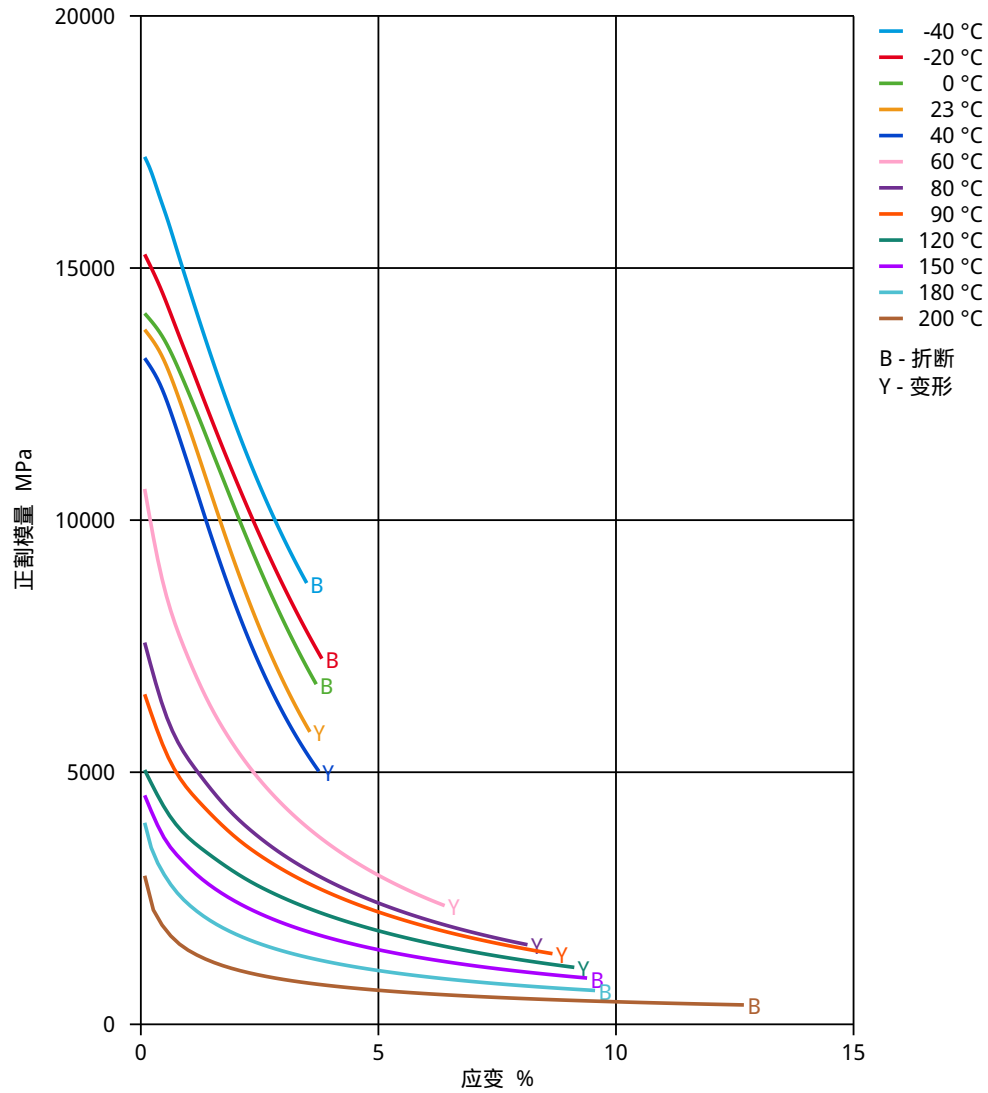




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正割模量 - 应变. (dry)

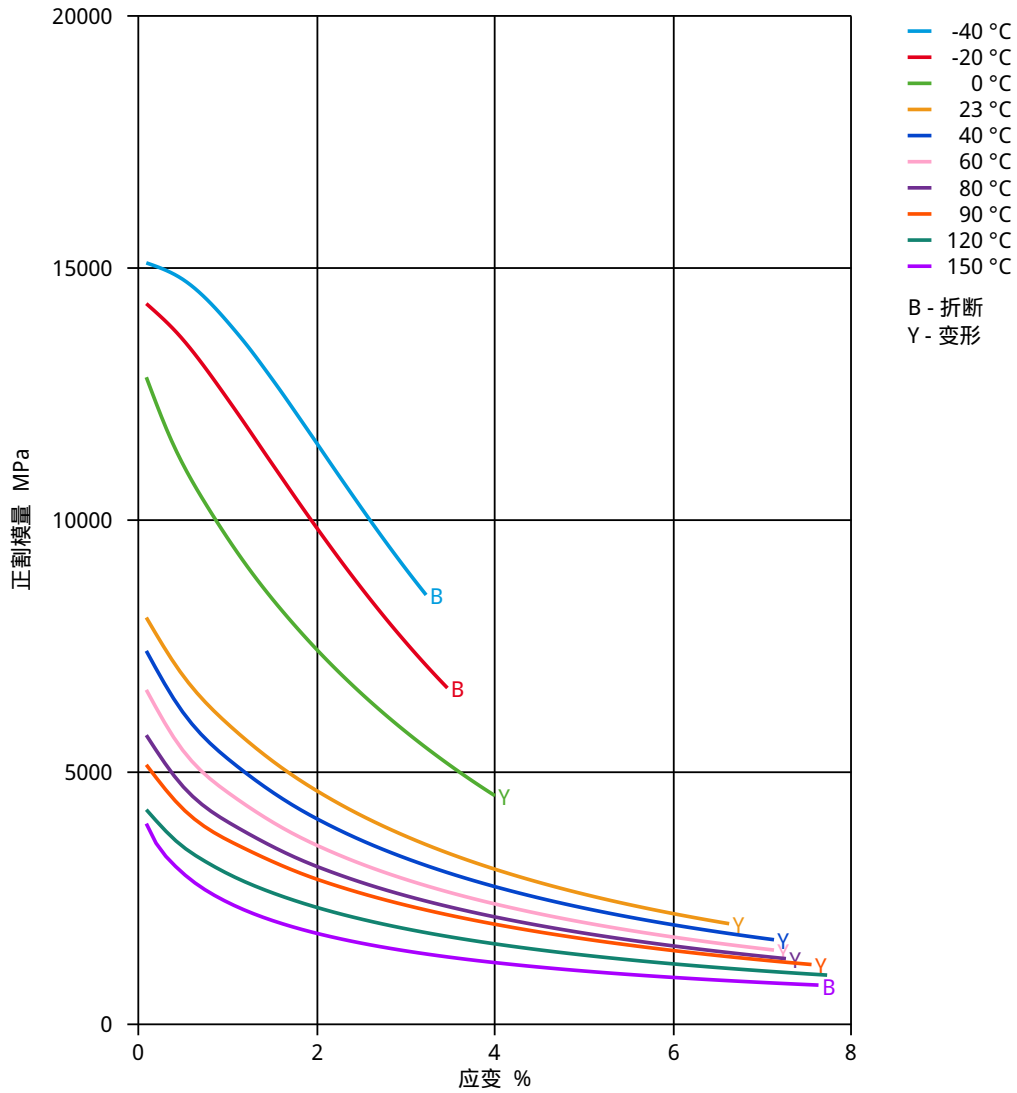




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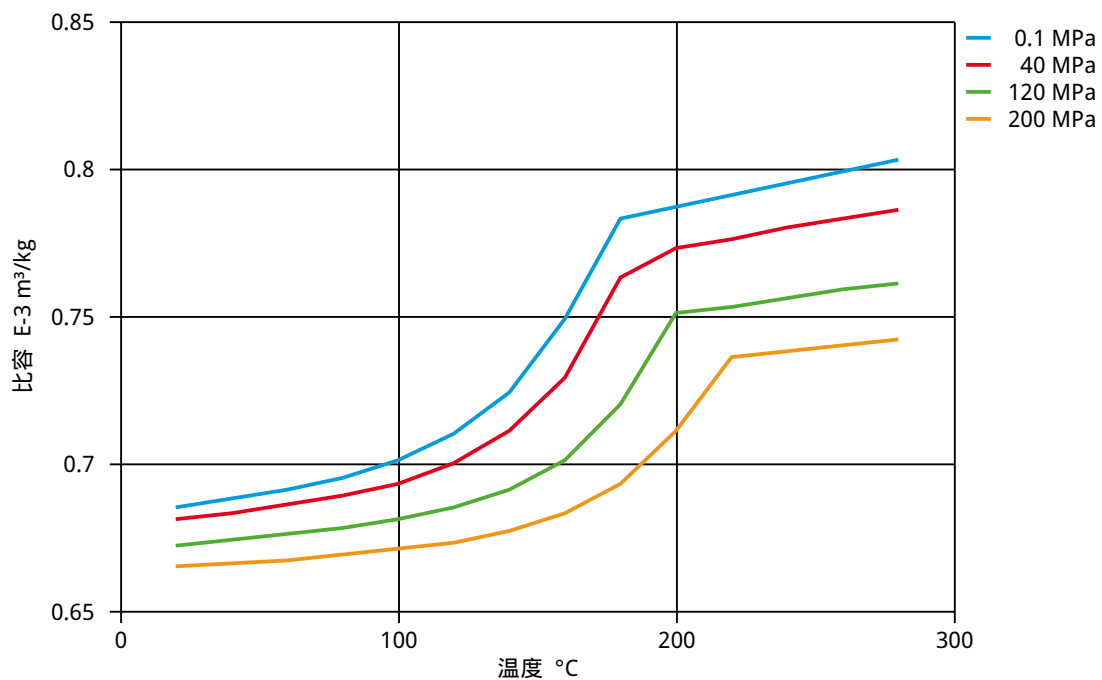
正割模量 - 应变. (cond.)



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比容 - 温度(pvT)



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