



# Delrin® 100T BK602

## ACETAL RESIN

Delrin®聚甲醛树脂的共性包括优异的机械性能和物理性能比如高机械强度和刚性，优异的耐疲劳性能和抗冲击性，同时具有突出的耐潮湿、汽油、润滑剂、溶剂和多种其他中性化学品。Delrin®聚甲醛树脂还具有卓越的尺寸稳定性和良好的电绝缘性能，具有天然弹性、自润滑，可制成多种颜色和特殊规格。

Delrin®聚甲醛树脂通常应用于具有严苛要求的汽车、家用电器、运动、工业工程、电子和消费品工业。

Delrin® 100T BK602是一种增韧 高粘度均聚甲醛

### 总说明

树脂鉴别	POM-I	ISO 1043
制品标识码	>POM-I<	ISO 11469

### 流变性能

熔体体积流动速度, MVR	1.7 cm <sup>3</sup> /10min	ISO 1133
熔体质量流动速率	2 g/10min	ISO 1133
温度	190 °C	ISO 1133
负荷	2.16 kg	ISO 1133
熔体质量流率, 温度	190 °C	ISO 1133
熔体质量流率, 载荷	2.16 kg	ISO 1133
模塑收缩率, 平行	1.3 %	ISO 294-4, 2577
模塑收缩率, 垂直	1.5 %	ISO 294-4, 2577

### 机械性能

拉伸模量	1900 MPa	ISO 527-1/-2
屈服应力	54 MPa	ISO 527-1/-2
屈服伸长率	27 %	ISO 527-1/-2
名义断裂伸长率	>50 %	ISO 527-1/-2
简支梁缺口冲击强度, +23°C	23 kJ/m <sup>2</sup>	ISO 179/1eA
简支梁缺口冲击强度, -30°C	11 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.41 -	

### 热性能

熔融温度, 10°C/min	178 °C	ISO 11357-1/-3
热变形温度, 1.80 MPa	71 °C	ISO 75-1/-2
相对温度指数, 电气性能, 1.5mm	100 °C	UL 746B
相对温度指数, 电气性能, 3mm	100 °C	UL 746B
相对温度指数, 冲击, 1.5mm	85 °C	UL 746B
相对温度指数, 冲击, 3mm	85 °C	UL 746B
相对温度指数, 强度, 1.5mm	85 °C	UL 746B
相对温度指数, 强度, 3mm	85 °C	UL 746B

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### 燃烧性能

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	1.5 mm	IEC 60695-11-10
UL注册	yes -	UL 94
FMVSS Class	B -	ISO 3795 (FMVSS 302)
燃烧速率, 厚度: 1毫米	42 mm/min	ISO 3795 (FMVSS 302)

### 其它性能

密度	1370 kg/m <sup>3</sup>	ISO 1183
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### VDA性能

甲醛散发	<8 <sup>[1]</sup> mg/kg	VDA 275
[1]: <5		

### 注塑

建议干燥	是
干燥温度	80 °C
干燥时间, 除湿干燥机	4 - 8 h
加工前水分含量	≤ 0.05 %
最优熔体温度	205 °C
注塑 熔体温度	200 °C
注塑 熔体温度	210 °C
螺杆最大切线速度	0.2 m/s
最优模具温度	50 °C
模具温度	40 °C
模具温度	60 °C
保压范围	60 - 80 MPa
保压时间	7.5 s/mm
回火时间, 可选	30 min/mm
回火温度	160 °C

### 薄膜挤出成型

干燥温度	80 °C
干燥时间, 除湿干燥机	4 - 8 h
加工前水分含量	≤ 0.05 %
最优熔体温度	200 °C
熔体温度范围	195 - 205 °C

### 典型数据

添加剂	脱模助剂
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