

# CAMPUS® 数据表

CYCOLOY™ FR CX7211 - (PC+ABS) FR  
SABIC



## 材料文字说明

CYCOLOY CX7211 Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS) blend is an injection moldable, medium flow, non chlorinated/brominated flame retardant grade. It has a UL94 V0@1.5mm, 5VA@2.5mm and 5VB@2.0mm flame rating. This grade has improved chemical resistance compared to standard PC/ABS blends and is a good candidate for thin wall applications.

流变性能	价值	单位	测试标准
熔体体积流动速度, MVR	14	cm <sup>3</sup> /10min	ISO 1133
温度	260	°C	ISO 1133
负荷	2.16	kg	ISO 1133
机械性能	价值	单位	测试标准
拉伸模量	2800	MPa	ISO 527-1/-2
屈服应力	62	MPa	ISO 527-1/-2
屈服伸长率	4	%	ISO 527-1/-2
无缺口简支梁冲击强度, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
无缺口简支梁冲击强度, -30°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
简支梁缺口冲击强度, +23°C	40	kJ/m <sup>2</sup>	ISO 179/1eA
简支梁缺口冲击强度, -30°C	10	kJ/m <sup>2</sup>	ISO 179/1eA
撕裂强度	10	kN/m	ISO 34-1
热性能	价值	单位	测试标准
热变形温度, 1.80 MPa	90	°C	ISO 75-1/-2
维卡软化温度, 50°C/h 50N	105	°C	ISO 306
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
厚度为h时的燃烧性	V-1	class	IEC 60695-11-10
测试用试样的厚度	1.2	mm	IEC 60695-11-10
厚度为h时的5V燃烧性	5VB	class	IEC 60695-11-20
测试用试样的厚度	2.0	mm	IEC 60695-11-20
燃烧性 - 氧指数	32	%	ISO 4589-1/-2
电性能	价值	单位	测试标准
体积电阻率	>1E13	Ohm*m	IEC 62631-3-1
表面电阻率	>1E15	Ohm	IEC 62631-3-2
介电强度	35	kV/mm	IEC 60243-1
其它性能	价值	单位	测试标准
吸水性	0.24	%	类似ISO 62
吸湿性	0.12	%	类似ISO 62
密度	1190	kg/m <sup>3</sup>	ISO 1183
模塑测量的特殊性能	价值	单位	测试标准
悬臂梁冲击强度 (+23°C), 4mm	N	kJ/m <sup>2</sup>	ISO 180/1U
悬臂梁冲击强度 (-30°C), 4mm	N	kJ/m <sup>2</sup>	ISO 180/1U
悬臂梁缺口冲击强度 (-30°C), 4mm	10	kJ/m <sup>2</sup>	ISO 180/1A

## 典型数据

加工方法  
注塑

地区供应  
北美, 欧洲, 亚太

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