

SABIC XENOY™ PBT/PC X5630P物性表

属性	典型值	UNITS	测试手段
MECHANICAL			
Tensile Stress, yield, 5 mm/min	56	MPa	ISO 527
Tensile Stress, break, 5 mm/min	50	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	3.2	%	ISO 527
Tensile Strain, break, 5 mm/min	8	%	ISO 527
Tensile Modulus, 1 mm/min	4150	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	90	MPa	ISO 178
Flexural Modulus, 2 mm/min	4050	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	100	kJ/m ²	ISO 180/1U
Izod Impact, unnotched 80*10*4 -30°C	80	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	8	kJ/m ²	ISO 180/1A
Izod Impact, notched 80*10*4 -30°C	6	kJ/m ²	ISO 180/1A
Charpy 23°C, V-notch Edgew 80*10*4 sp=62mm	8	kJ/m ²	ISO 179/1eA
THERMAL			
CTE, -30°C to 80°C, flow	5.2E-05	1/°C	ISO 11359-2
CTE, -30°C to 80°C, xflow	7.2E-05	1/°C	ISO 11359-2
Vicat Softening Temp, Rate B/50	137	°C	ISO 306
Vicat Softening Temp, Rate B/120	140	°C	ISO 306
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	110	°C	ISO 75/Af
PHYSICAL			
Density	1.35	g/cm ³	ISO 1183
Water Absorption, (23°C/saturated)	0.42	%	ISO 62-1
Moisture Absorption (23°C / 50% RH)	0.14	%	ISO 62
Melt Volume Rate, MVR at 265°C/5.0 kg	15	cm ³ /10 min	ISO 1133

Injection Molding		
Drying Temperature	110-120	°C
Drying Time	4-6	Hrs
Maximum Moisture Content	0.02	%
Melt Temperature	265-275	°C
Nozzle Temperature	260-275	°C
Front - Zone 3 Temperature	260-280	°C
Middle - Zone 2 Temperature	250-275	°C
Rear - Zone 1 Temperature	240-270	°C
Hopper Temperature	60-80	°C
Mold Temperature	60-100	°C

此数据由我们从该材料的生产商处获得。我们尽最大努力确保此数据的准确性，但是我们对这些数据值不承担任何责任，并强烈建议在最终选料前，就数据值与材料供应商进行验证。