

SABIC LEXAN™ PC VR2820物性表

| 属性 | 典型值 | UNITS | 测试手段 |
|--|----------------|----------|--------------|
| MECHANICAL | | | |
| Tensile Stress, yld, Type I, 50 mm/min | 63 | MPa | ASTM D638 |
| Tensile Stress, brk, Type I, 50 mm/min | 65 | MPa | ASTM D638 |
| Tensile Strain, yld, Type I, 50 mm/min | 7 | % | ASTM D638 |
| Tensile Strain, brk, Type I, 50 mm/min | 110 | % | ASTM D638 |
| Tensile Modulus, 50 mm/min | 2350 | MPa | ASTM D638 |
| Flexural Stress, yld, 1.3 mm/min, 50 mm span | 93 | MPa | ASTM D790 |
| Flexural Modulus, 1.3 mm/min, 50 mm span | 2300 | MPa | ASTM D790 |
| IMPACT | | | |
| Izod Impact, notched, 23°C | 900 | J/m | ASTM D256 |
| THERMAL | | | |
| HDT, 1.82 MPa, 3.2mm, unannealed | 124 | °C | ASTM D648 |
| CTE, -40°C to 95°C, flow | 6.84E-05 | 1/°C | ASTM E831 |
| PHYSICAL | | | |
| Specific Gravity | 1.2 | - | ASTM D792 |
| Mold Shrinkage, flow, 3.2 mm | 0.5-0.7 | % | SABIC method |
| Melt Flow Rate, 300°C/1.2 kgf | 7 | g/10 min | ASTM D1238 |
| FLAME CHARACTERISTICS | | | |
| UL Yellow Card Link | E121562-548558 | - | - |
| Injection Molding | | | |
| Drying Temperature | 120 | °C | |
| Drying Time | 3-4 | Hrs | |
| Drying Time (Cumulative) | 48 | Hrs | |
| Maximum Moisture Content | 0.02 | % | |
| Melt Temperature | 310-330 | °C | |

| | | |
|-----------------------------|-------------|-----|
| Nozzle Temperature | 305-325 | °C |
| Front - Zone 3 Temperature | 310-330 | °C |
| Middle - Zone 2 Temperature | 300-320 | °C |
| Rear - Zone 1 Temperature | 290-310 | °C |
| Mold Temperature | 80-115 | °C |
| Back Pressure | 0.3-0.7 | MPa |
| Screw Speed | 40-70 | rpm |
| Shot to Cylinder Size | 40-60 | % |
| Vent Depth | 0.025-0.076 | mm |

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。