

SABIC VALOX™ PBT HX260HPR物性表

| 属性 | 典型值 | UNITS | 测试手段 |
|---|---------|-------------------|-------------|
| MECHANICAL | | | |
| Tensile Stress, yield, 50 mm/min | 55 | MPa | ISO 527 |
| Tensile Stress, break, 50 mm/min | 51 | MPa | ISO 527 |
| Tensile Strain, yield, 50 mm/min | 6 | % | ISO 527 |
| Tensile Strain, break, 50 mm/min | 25 | % | ISO 527 |
| Tensile Modulus, 1 mm/min | 2400 | MPa | ISO 527 |
| Flexural Stress, yield, 2 mm/min | 80 | MPa | ISO 178 |
| Flexural Modulus, 2 mm/min | 2300 | MPa | ISO 178 |
| IMPACT | | | |
| Izod Impact, unnotched 80*10*4 +23°C | NB | kJ/m ² | ISO 180/1U |
| Izod Impact, unnotched 80*10*4 -30°C | NB | kJ/m ² | ISO 180/1U |
| Izod Impact, notched 80*10*4 +23°C | 5 | kJ/m ² | ISO 180/1A |
| Izod Impact, notched 80*10*4 -30°C | 4 | kJ/m ² | ISO 180/1A |
| Charpy 23°C, V-notch Edgew 80*10*4 sp=62mm | 6 | kJ/m ² | ISO 179/1eA |
| Charpy -30°C, V-notch Edgew 80*10*4 sp=62mm | 4 | kJ/m ² | ISO 179/1eA |
| Charpy 23°C, Unnotch Edgew 80*10*4 sp=62mm | NB | kJ/m ² | ISO 179/1eU |
| Charpy -30°C, Unnotch Edgew 80*10*4 sp=62mm | NB | kJ/m ² | ISO 179/1eU |
| THERMAL | | | |
| CTE, 23°C to 60°C, flow | 1.3E-04 | 1/°C | ISO 11359-2 |
| CTE, 23°C to 60°C, xflow | 1.3E-04 | 1/°C | ISO 11359-2 |
| Vicat Softening Temp, Rate B/50 | 175 | °C | ISO 306 |
| Vicat Softening Temp, Rate B/120 | 175 | °C | ISO 306 |
| HDT/Ae, 1.8 MPa Edgew 120*10*4 sp=100mm | 50 | °C | ISO 75/Ae |
| PHYSICAL | | | |
| Density | 1.31 | g/cm ³ | ISO 1183 |

| | | | |
|--|------|-------------------------|----------|
| Water Absorption, (23°C/saturated) | 0.35 | % | ISO 62-1 |
| Moisture Absorption (23°C / 50% RH) | 0.08 | % | ISO 62 |
| Melt Volume Rate, MVR at 250°C/2.16 kg | 15 | cm ³ /10 min | ISO 1133 |

Injection Molding

| | | |
|-----------------------------|-----------|-----|
| Drying Temperature | 110 - 120 | °C |
| Drying Time | 2 - 4 | Hrs |
| Maximum Moisture Content | 0.02 | % |
| Melt Temperature | 250 - 270 | °C |
| Nozzle Temperature | 240 - 260 | °C |
| Front - Zone 3 Temperature | 245 - 265 | °C |
| Middle - Zone 2 Temperature | 240 - 255 | °C |
| Rear - Zone 1 Temperature | 230 - 245 | °C |
| Hopper Temperature | 40 - 60 | °C |
| Mold Temperature | 40 - 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。