

SABIC VALOX™ PBT 337物性表

属性	典型值	UNITS	测试手段
MECHANICAL			
Tensile Stress, yld, Type I, 50 mm/min	39	MPa	ASTM D638
Tensile Strain, yld, Type I, 50 mm/min	3.9	%	ASTM D638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	56	MPa	ASTM D790
Flexural Modulus, 1.3 mm/min, 50 mm span	1790	MPa	ASTM D790
IMPACT			
Izod Impact, unnotched, 23°C	3204	J/m	ASTM D4812
Izod Impact, unnotched, -30°C	3204	J/m	ASTM D4812
Izod Impact, notched, 23°C	870	J/m	ASTM D256
Izod Impact, notched, -30°C	801	J/m	ASTM D256
THERMAL			
HDT, 0.45 MPa, 6.4 mm, unannealed	98	°C	ASTM D648
HDT, 1.82 MPa, 6.4 mm, unannealed	47	°C	ASTM D648
PHYSICAL			
Specific Gravity	1.22	-	ASTM D792
Water Absorption, (23°C/24hrs)	0.1	%	ASTM D570
Mold Shrinkage, flow, 3.2 mm	2.4-2.7	%	SABIC method
Mold Shrinkage, xflow, 3.2 mm	2.4-2.7	%	SABIC method
Melt Flow Rate, 250°C/5.0 kgf	12.7	g/10 min	ASTM D1238
Melt Viscosity	1200	Pa-s	SABIC method
Injection Molding			
Drying Temperature	120	°C	
Drying Time	3 - 4	Hrs	
Drying Time (Cumulative)	12	Hrs	
Maximum Moisture Content	0.02	%	
Melt Temperature	245 - 260	°C	

Nozzle Temperature	240 - 255	°C
Front - Zone 3 Temperature	245 - 260	°C
Middle - Zone 2 Temperature	240 - 255	°C
Rear - Zone 1 Temperature	230 - 250	°C
Mold Temperature	50 - 75	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	50 - 100	rpm
Shot to Cylinder Size	40 - 80	%
Vent Depth	0.013 - 0.025	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。