

# SABIC CYCOLAC™ ABS BDT6500物性表

属性	典型值	UNITS	测试手段
<b>MECHANICAL</b>			
Tensile Stress, yld, Type I, 5 mm/min	48	MPa	ASTM D638
Tensile Modulus, 5 mm/min	2200	MPa	ASTM D638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	72	MPa	ASTM D790
Flexural Modulus, 1.3 mm/min, 50 mm span	2410	MPa	ASTM D790
<b>IMPACT</b>			
Izod Impact, notched, 23°C	186	J/m	ASTM D256
Falling Dart Impact (D 3029), 23°C	42	J	ASTM D3029
<b>THERMAL</b>			
HDT, 0.45 MPa, 3.2 mm, unannealed	93	°C	ASTM D648
HDT, 1.82 MPa, 3.2mm, unannealed	81	°C	ASTM D648
HDT, 1.82 MPa, 6.4 mm, unannealed	85	°C	ASTM D648
CTE, -40°C to 60°C, flow	1.55E-04	1/°C	ASTM E831
<b>PHYSICAL</b>			
Specific Gravity	1.05	-	ASTM D792
Mold Shrinkage, flow, 3.2 mm	0.5-0.8	%	SABIC method
Melt Flow Rate, 230°C/3.8 kg	3.3	g/10 min	ASTM D1238
Melt Viscosity, 260°C, 1000 sec-1	1550	Poise	ASTM D3825
Spiral Flow, 260°C, 10 ips, 3.175 X 1524 mm	863.6	mm	-
<b>OPTICAL</b>			
Gloss, untextured, 60 degrees	25	-	ASTM D523
<b>Injection Molding</b>			
Drying Temperature	90-95	°C	
Drying Time	2-4	Hrs	
Drying Time (Cumulative)	8	Hrs	

Maximum Moisture Content	0.1	%
Melt Temperature	230-275	°C
Nozzle Temperature	230-275	°C
Front - Zone 3 Temperature	220-255	°C
Middle - Zone 2 Temperature	210-250	°C
Rear - Zone 1 Temperature	195-240	°C
Mold Temperature	50-80	°C
Back Pressure	0.3-0.7	MPa
Screw Speed	30-60	rpm
Shot to Cylinder Size	50-70	%
Vent Depth	0.038-0.051	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。