

# SABIC CYCOLAC™ ABS EX75物性表

属性	典型值	UNITS	测试手段
<b>MECHANICAL</b>			
Tensile Stress, yld, Type I, 5 mm/min	39	MPa	ASTM D638
Tensile Stress, brk, Type I, 5 mm/min	33	MPa	ASTM D638
Tensile Strain, yld, Type I, 5 mm/min	2.4	%	ASTM D638
Tensile Strain, brk, Type I, 5 mm/min	42.9	%	ASTM D638
Tensile Modulus, 5 mm/min	2130	MPa	ASTM D638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	73	MPa	ASTM D790
Flexural Modulus, 1.3 mm/min, 50 mm span	2400	MPa	ASTM D790
<b>IMPACT</b>			
Izod Impact, notched, 23°C	421	J/m	ASTM D256
Instrumented Dart Impact Total Energy, 23°C	35	J	ASTM D3763
<b>THERMAL</b>			
Vicat Softening Temp, Rate B/50	106	°C	ASTM D1525
HDT, 0.45 MPa, 3.2 mm, unannealed	94	°C	ASTM D648
HDT, 1.82 MPa, 3.2mm, unannealed	82	°C	ASTM D648
CTE, -40°C to 40°C, flow	7.92E-05	1/°C	ASTM E831
CTE, -40°C to 40°C, xflow	8.1E-05	1/°C	ASTM E831
<b>PHYSICAL</b>			
Specific Gravity	1.04	-	ASTM D792
Mold Shrinkage, flow, 3.2 mm	0.5-0.7	%	SABIC method
Melt Viscosity, 240°C, 100 sec-1	11600	Poise	ASTM D3825
Melt Volume Rate, MVR at 220°C/10.0 kg	9	cm <sup>3</sup> /10 min	ISO 1133
<b>Sheet Extrusion</b>			
Drying Temperature	90-95	°C	

Drying Time (Cumulative)	4	Hrs
Maximum Moisture Content	0	%
Melt Temperature	200-220	°C
Barrel - Zone 1 Temperature	170-190	°C
Barrel - Zone 2 Temperature	180-200	°C
Barrel - Zone 3 Temperature	175-205	°C
Barrel - Zone 4 Temperature	180-210	°C
Adapter Temperature	180-205	°C
Die Temperature	180-215	°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。