

SABIC CYCOLAC™ ABS INP630物性表

属性	典型值	UNITS	测试手段
MECHANICAL			
Flexural Stress, yld, 1.3 mm/min, 50 mm span	115	MPa	ASTM D790
Flexural Modulus, 1.3 mm/min, 50 mm span	3880	MPa	ASTM D790
Flexural Stress, yield, 2 mm/min	58	MPa	ISO 178
Flexural Modulus, 2 mm/min	3620	MPa	ISO 178
IMPACT			
Izod Impact, notched, 23°C	19	J/m	ASTM D256
Izod Impact, notched, -30°C	13	J/m	ASTM D256
Izod Impact, notched 80*10*4 +23°C	3	kJ/m ²	ISO 180/1A
Izod Impact, notched 80*10*4 -30°C	1	kJ/m ²	ISO 180/1A
Charpy Impact, notched, 23°C	1	kJ/m ²	ISO 179/2C
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	110	°C	ASTM D648
HDT, 1.82 MPa, 3.2mm, unannealed	100	°C	ASTM D648
Vicat Softening Temp, Rate B/50	116	°C	ISO 306
Vicat Softening Temp, Rate B/120	118	°C	ISO 306
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	99	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.09	-	ASTM D792
Melt Flow Rate, 230°C/3.8 kg	10.9	g/10 min	ASTM D1238
Density	1.09	g/cm ³	ISO 1183
Melt Flow Rate, 220°C/10.0 kg	21	g/10 min	ISO 1133
OPTICAL			
Light Transmission, 2.54 mm	90	%	ASTM D1003
Haze, 2.54 mm	4.5	%	ASTM D1003
Yellowness Index	6	-	ASTM D1925

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