

LEXAN™ 123SRM resin

Polycarbonate

SABIC Innovative Plastics Asia Pacific

Message:

Easy flow, uv stabilised, impact modified, super release grade polycarbonate.

General Information			
UL YellowCard	E207780-526975		
Additive	Impact Modifier		
	UV Stabilizer		
Features	Good Flow		
	Good Mold Release		
	Impact Modified		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70	%	Internal Method
Water Absorption (24 hr)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	65.0	MPa	ASTM D638
Tensile Elongation ² (Break)	140	%	ASTM D638
Flexural Modulus ³ (50.0 mm Span)	2300	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 50.0 mm Span)	97.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	800	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed, 3.20 mm	124	°C	
1.8 MPa, Unannealed, 6.40 mm	134	°C	
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	48	hr	
Processing (Melt) Temp	282 to 304	°C	
Mold Temperature	71.0 to 93.0	°C	
NOTE			
1.	Type I, 50 mm/min		

2.	Type I, 50 mm/min
3.	1.3 mm/min
4.	1.3 mm/min

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

