

Resilience™ LS22000M

Polyvinyl Chloride Alloy

PolyOne Corporation

Message:

Custom Molding

General Information			
UL YellowCard	E41877-102784298		
Features	Good Light Diffusion		
	High liquidity		
	Medium impact resistance		
Uses	Architectural application field		
	Outdoor application		
	General		
Appearance	Translucent		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Spiral Flow	104	cm	
Molding Shrinkage - Flow	0.20 - 0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (23°C, 3.18 mm)	1910	MPa	ASTM D638
Tensile Strength ² (Yield, 23°C, 3.18 mm)	40.0	MPa	ASTM D638
Tensile Elongation ³ (Break, 23°C, 3.18 mm)	35	%	ASTM D638
Flexural Modulus (23°C, 3.18 mm)	1920	MPa	ASTM D790
Flexural Strength (23°C, 3.18 mm)	57.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	210	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.18mm	59.5	°C	ASTM D648
0.45 MPa, annealed, 3.18mm	67.8	°C	ASTM D648
1.8 MPa, unannealed, 3.18mm	51.6	°C	ASTM D648
1.8 MPa, annealed, 3.18mm	64.4	°C	ASTM D648
Injection	Nominal Value	Unit	

Processing (Melt) Temp	199 - 204	°C
NOTE		
1.	Type 1, 51mm/min	
2.	Type 1, 51mm/min	
3.	Type 1, 51mm/min	

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