

Surlyn Reflection Series® SURSG201UN

Polyamide 6
LTL Color Compounders, Inc.

Message:

A patented alloy of DuPont™ Surlyn® resin and nylon 6 for applications that require a high gloss, molded in color surface finish directly from the mold.

General Information			
Features	Good Colorability		
	High Gloss		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	40.3	MPa	
Break	39.4	MPa	
Tensile Elongation ²			ASTM D638
Yield	11	%	
Break	220	%	
Flexural Modulus ³	1140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	270	J/m	
23°C	1500	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	57.8	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	60.0 to 62.8	°C	
Drying Time	6.0 to 8.0	hr	
Drying Time, Maximum	24	hr	
Suggested Shot Size	30 to 70	%	
Rear Temperature	241	°C	
Middle Temperature	241	°C	
Front Temperature	241	°C	
Processing (Melt) Temp	232 to 257	°C	

Mold Temperature	51.7 to 57.2	°C
Back Pressure	0.345 to 0.689	MPa
Vent Depth	0.025 to 0.038	mm

NOTE		
1.	51 mm/min	
2.	51 mm/min	
3.	51 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



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