

Surlyn Reflection Series® SURSG201UG

Polyamide 6 Alloy
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		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	4.0	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	1600	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
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NOTE

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

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Recommended distributors for this material

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