

Surlyn Reflection Series® SURSG201UNM

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

General Information			
Filler / Reinforcement	Mineral		
Features	High Gloss		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	2.0 to 3.0	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	41.0	MPa	
Break	32.1	MPa	
Tensile Elongation ²			ASTM D638
Yield	10	%	
Break	20	%	
Flexural Modulus ³	1310	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	320	J/m	ASTM D256
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

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