

Surlyn Reflection Series® SURSG201UN-10T

Polyamide 6 Alloy

LTL Color Compounders, Inc.

Message:

A mineral filled alloy of DuPont™ Surlyn® resin and nylon 6, molded in color applications.

General Information			
Filler / Reinforcement	Mineral, 10% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (240°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	47.6	MPa	
Break	40.4	MPa	
Tensile Elongation ²			ASTM D638
Yield	7.0	%	
Break	86	%	
Flexural Modulus ³	1480	MPa	ASTM D790
Flexural Strength ⁴	47.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	160	J/m	
23°C	750	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	71.1	°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
4.	51 mm/min

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Recommended distributors for this material

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