



Surlyn Reflection Series® SURSG201UN-10GF

PRODUCT DESCRIPTION A glass fiber filled alloy of DuPont™ Surlyn® resin and nylon 6, molded in color applications.

MATERIAL STATUS Commercial: Active

AVAILABILITY Africa & Middle East, Asia Pacific, Europe, Latin America, North America

FORMS Pellets

PROCESSING METHOD Injection Molding

PHYSICAL	NOMINAL VALUE	UNIT	TEST METHOD
Density / Specific Gravity	1.10	g/cm ³	ASTM D792 ISO 1183
Molding Shrinkage - Flow (3.18 mm)	1.0	%	ASTM D955
MECHANICAL	NOMINAL VALUE	UNIT	TEST METHOD
Tensile Strength ²			ASTM D638
Yield	51.7	MPa	
Break	34.5	MPa	
Tensile Elongation ²			ASTM D638
Yield	5.0	%	
Break	25	%	
Flexural Modulus ²	1590	MPa	ASTM D790
Flexural Strength ²	46.0	MPa	ASTM D790
IMPACT	NOMINAL VALUE	UNIT	TEST METHOD
Notched Izod Impact			ASTM D256
-30°C	110	J/m	
23°C	290	J/m	
THERMAL	NOMINAL VALUE	UNIT	TEST METHOD
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	71.1	°C	
INJECTION	NOMINAL VALUE	UNIT	TEST METHOD
Drying Temperature	60 to 63	°C	
Drying Time	6.0 to 8.0	hr	
Suggested Shot Size	30 to 70	%	
Rear Temperature	241	°C	
Middle Temperature	241	°C	



INJECTION	NOMINAL VALUE	UNIT
Front Temperature	241	°C
Nozzle Temperature	249	°C
Processing (Melt) Temp	232 to 257	°C
Mold Temperature	52 to 57	°C
Back Pressure	0.345 to 0.689	MPa
Vent Depth	0.025 to 0.038	mm

NOTES

¹ Typical properties: these are not to be construed as specifications.

² 50 mm/min

