

Surlyn Reflection Series® SURSG201UN-10GF (ISO)

Americhem - Polyamide 6 Alloy

General Information

Product Description

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

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	498000	psi	ISO 527-1
Tensile Stress (Yield)	7970	psi	ISO 527-2/51
Tensile Stress (Break)	7250	psi	ISO 527-2
Tensile Strain (Yield)	6.0	%	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	7.8	ft·lb/in ²	ISO 180

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	140 to 145	°F
Drying Time	6.0 to 8.0	hr
Suggested Shot Size	30 to 70	%
Rear Temperature	465	°F
Middle Temperature	465	°F
Front Temperature	465	°F
Nozzle Temperature	480	°F
Processing (Melt) Temp	450 to 495	°F
Mold Temperature	125 to 135	°F
Back Pressure	50.0 to 100	psi
Vent Depth	1.0E-3 to 1.5E-3	in

Notes

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

