

ColorFast® NY2GF131

Polyamide 66
LTL Color Compounders, Inc.

Message:
13% glass-filled impact modified nylon 6,6

General Information			
Filler / Reinforcement	Glass Fiber,13% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30 to 1.0	%	ASTM D955
Water Absorption (24 hr)	1.5	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	75.8	MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Yield	7.0	%	
Break	15	%	
Flexural Modulus ³	4140	MPa	ASTM D790
Flexural Strength ⁴	138	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	221	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Suggested Shot Size	30 to 60	%	
Rear Temperature	260 to 293	°C	
Middle Temperature	266 to 293	°C	
Front Temperature	266 to 293	°C	
Nozzle Temperature	260 to 288	°C	
Processing (Melt) Temp	279 to 304	°C	

Mold Temperature	37.8 to 93.3	°C
Back Pressure	0.345 to 0.689	MPa
Screw Speed	60 to 120	rpm
Vent Depth	0.038 to 0.076	mm

NOTE

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|----|-----------|
| 1. | 51 mm/min |
| 2. | 51 mm/min |
| 3. | 51 mm/min |
| 4. | 51 mm/min |

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