

ColorFast® NY2115

Polyamide 66

LTL Color Compounders, Inc.

Message:

Super tough nylon 6,6 with excellent chemical resistance and ductility

General Information			
UL YellowCard	E178307-100176567		
Features	Ductile Good Chemical Resistance Good Toughness		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/5.0 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	1.5 to 2.0	%	ASTM D955
Water Absorption (24 hr)	1.3	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	75		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	52.4	MPa	
Break	46.9	MPa	
Tensile Elongation ²			ASTM D638
Yield	18	%	
Break	70	%	
Flexural Modulus ³	2000	MPa	ASTM D790
Flexural Strength ⁴	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	71.1	°C	ASTM D648
Injection	Nominal Value	Unit	Test Method
Drying Temperature	79.4	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Suggested Shot Size	30 to 60	%	

Rear Temperature	249 to 282	°C
Middle Temperature	254 to 282	°C
Front Temperature	254 to 282	°C
Nozzle Temperature	249 to 277	°C
Processing (Melt) Temp	268 to 293	°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

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

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