

ENVIROLON® ENV1266G33-NAT

Polyamide 66

ENVIROPLAS®, Inc.

Message:

Injection Molding Grade, 33% Fiberglass Reinforced, Natural, Lubricated, RoHS Compliant

General Information			
UL YellowCard	E192776-557408		
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Additive	Lubricant		
Features	Lubrication		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.60	%	ASTM D955
Ash Content	33	%	ASTM D5610
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	165	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	6860	MPa	ASTM D790
Flexural Strength	193	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	91	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	246	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82.2 - 93.3	°C	
Suggested Max Moisture	0.20	%	
Rear Temperature	249 - 282	°C	
Middle Temperature	260 - 288	°C	
Front Temperature	271 - 304	°C	
Nozzle Temperature	271 - 304	°C	
Mold Temperature	65.6 - 110	°C	
Injection Rate	Fast		

Injection instructions

Injection Pressure High, adjust to just above a short shot.
Back Pressure Utilize only if necessary to provide uniform melt.
Fill Rate Fast, depending on part surface appearance.

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

