

Zytel® FG133F1 NC010

NYLON RESIN

DuPont Performance Polymers

Message:

Unreinforced Polyamide 66 with Developed for Food Contact Applications

General Information				
Additive		Mold Release		
Forms		Pellets		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.0	--	%	
Flow	0.70	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3400	1940	MPa	ISO 527-2
Tensile Stress (Yield)	93.0	65.0	MPa	ISO 527-2
Tensile Strain (Yield)	4.7	19	%	ISO 527-2
Nominal Tensile Strain at Break	14	40	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	10	kJ/m ²	ISO 179/1eA
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	221	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	78.0	--	°C	ISO 75-2/A
Melting Temperature ¹	262	--	°C	ISO 11357-3
NOTE				
1.	10°C/min			

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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

