

# Nycal™ 2134R33H Bk-1

Polyamide 66  
Technical Polymers, LLC

Message:

Nycal™2134R33H Bk-1 is a polyamide 66 (nylon 66) material, which contains a 33% glass fiber reinforced material. This product is available in North America and is processed by injection molding.  
Nycal™The main features of 2134R33H Bk-1 are:  
flame retardant/rated flame  
heat stabilizer

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Additive	heat stabilizer		
Features	Thermal Stability		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	138	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	8270	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	246	°C	ASTM D648
1.8 MPa, not annealed	232	°C	ASTM D648
Melting Temperature	257	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information			
Tensile Elongation, ASTM D638: 2 to 4%Volum Resistivity, ASTM D257: >1e14 ohm-cm			
Injection	Nominal Value	Unit	
Drying Temperature	73.9 - 79.4	°C	
Drying Time	3.0 - 4.0	hr	
Processing (Melt) Temp	271 - 304	°C	
Mold Temperature	37.8 - 98.9	°C	

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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

