

Nycal™ 1820R33T2H Bk-1

Polyamide 6
Technical Polymers, LLC

Message:

Nycal™ 1820R33T2H Bk-1 is a Polyamide 6 (Nylon 6) material filled with 33% glass fiber. It is available in North America for injection molding. Important attributes of Nycal™ 1820R33T2H Bk-1 are:
Flame Rated
Heat Stabilizer
Impact Resistant

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	High Impact Resistance		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	138	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.0 to 4.0	%	ASTM D638
Flexural Modulus (23°C)	7580	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	213	°C	
1.8 MPa, Unannealed	204	°C	
Peak Melting Temperature	220	°C	ASTM D3418
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
Injection	Nominal Value	Unit	
Drying Temperature	73.9 to 79.4	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	260 to 288	°C	
Mold Temperature	65.6 to 98.9	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

