

# Nycal™ 1820RMC40H Bk-1

Polyamide 6  
Technical Polymers, LLC

Message:

Nycal™ 1820RMC40H Bk-1 is a Polyamide 6 (Nylon 6) material filled with 40% glass\mineral. It is available in North America for injection molding. Important attributes of Nycal™ 1820RMC40H Bk-1 are:

Flame Rated  
Heat Stabilizer

General Information			
Filler / Reinforcement	Glass\Mineral,40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	124	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.0 to 3.0	%	ASTM D638
Flexural Modulus (23°C)	8270	MPa	ASTM D790
Flexural Strength (23°C)	186	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	210	°C	
1.8 MPa, Unannealed	202	°C	
Peak Melting Temperature	220	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	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 293	°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

