

Nycal™ 2125MK40W5H Bk-1

Polyamide 66
Technical Polymers, LLC

Message:

Nycal™ 2125MK40W5H Bk-1 is a Polyamide 66 (Nylon 66) material filled with 40% mineral. It is available in North America for injection molding. Important attributes of Nycal™ 2125MK40W5H Bk-1 are:

Heat Stabilizer
Wear Resistant

General Information			
UL YellowCard	E198117-101146056		
Filler / Reinforcement	Mineral,40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Wear Resistance		
	Heat Stabilized		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	82.7	MPa	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	5520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	232	°C	
1.8 MPa, Unannealed	104	°C	
Melting Temperature	260	°C	
Injection	Nominal Value	Unit	
Drying Temperature	85.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	249 to 293	°C	
Mold Temperature	65.6 to 121	°C	

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