

Nylene® 132 HS

Polyamide 66
Custom Resins Group

Message:

Nylene® 132 HS is a Polyamide 66 (Nylon 66) material. It is available in North America for extrusion or injection molding.
Important attributes of Nylene® 132 HS are:
Heat Resistant
Heat Stabilizer
Homopolymer
Low Viscosity
Typical application of Nylene® 132 HS: Automotive

General Information			
Additive	Heat Stabilizer		
Features	General Purpose		
	Good Thermal Stability		
	Heat Stabilized		
	High Heat Resistance		
	Homopolymer		
	Low Viscosity		
Uses	General Purpose		
Agency Ratings	ASTM D 4066 PA0121		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 23°C)	82.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	50	%	ASTM D638
Flexural Modulus (23°C)	2860	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	235	°C	
1.8 MPa, Unannealed	90.0	°C	
Melting Temperature	254	°C	
Injection	Nominal Value	Unit	

Drying Temperature	65.6 to 82.2	°C
Drying Time	2.0 to 4.0	hr
Drying Time, Maximum	4.0	hr
Suggested Max Moisture	0.20	%
Suggested Shot Size	25 to 75	%
Suggested Max Regrind	25	%
Rear Temperature	260 to 282	°C
Middle Temperature	271 to 293	°C
Front Temperature	282 to 304	°C
Nozzle Temperature	279 to 302	°C
Processing (Melt) Temp	282 to 304	°C
Mold Temperature	48.9 to 93.3	°C
Injection Pressure	27.6 to 82.7	MPa
Injection Rate	Fast	
Holding Pressure	20.7 to 62.1	MPa
Back Pressure	0.00 to 0.345	MPa

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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

