

Nylene® 137 HS UV BK

Polyamide 66

Custom Resins Group

Message:

Heat-stabilized, UV stable nylon 6/6 homopolymer for use in injection molding processes

Exhibits the same part toughness, wear resistance, heat and chemical resistance as standard nylon 6/6 grades while adding a UV resistance package to retain appearance under weathering conditions

General Information			
Additive	Heat Stabilizer UV Stabilizer		
Features	Good Chemical Resistance Good Toughness Good UV Resistance Good Wear Resistance Heat Stabilized		
Processing Method	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 (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)	48	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	
Peak Melting Temperature	254	°C	ASTM D3418

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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

