

Zytel® 103FHS BKB009

NYLON RESIN
DuPont Performance Polymers

Message:
Unreinforced, Heat Stabilized, Polyamide 66

General Information			
UL YellowCard	E41938-234370		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Agency Ratings	UL Unspecified Rating		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PA66<		
Resin ID (ISO 1043)	PA66		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.3	%	
Flow	1.3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ISO 527-2
Tensile Stress (Yield)	85.0	MPa	ISO 527-2
Tensile Strain (Yield)	4.3	%	ISO 527-2
Nominal Tensile Strain at Break	15	%	ISO 527-2
Flexural Modulus	2800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	250	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-40°C	5.0	kJ/m ²	
23°C	5.0	kJ/m ²	
Unnotched Izod Impact Strength (23°C)	200	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	195	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ISO 75-2/A
Melting Temperature ¹	262	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flammability Classification			IEC 60695-11-10, -20
0.710 mm	V-2		

1.50 mm

V-2

NOTE

1.

10°C/min

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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

