

Zytel® 103HSL BKB080

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		Coating		
		Extrusion		
		Injection Molding		
Part Marking Code (ISO 11469)		>PA66<		
Resin ID (ISO 1043)		PA66		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3100	1400	MPa	ISO 527-2
Tensile Stress (Yield)	85.0	55.0	MPa	ISO 527-2
Tensile Strain (Yield)	4.0	25	%	ISO 527-2
Nominal Tensile Strain at Break	20	> 50	%	ISO 527-2
Flexural Modulus	2800	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5	--	kJ/m ²	ISO 179/1eA
Notched Izod Impact Strength				ISO 180/1A
-40°C	5.0	--	kJ/m ²	
23°C	5.0	--	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	200	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	--	°C	ISO 75-2/A
Melting Temperature ¹	262	--	°C	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index (CTI)	PLC 0	--		UL 746

Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flammability Classification				IEC 60695-11-10, -20
0.710 mm	V-2	--		
1.50 mm	V-2	--		
Additional Information	Dry	Conditioned	Unit	Test Method
Emission of Organic Compounds	34.9	--	µgC/g	VDA 277
Odor	4	--		VDA 270
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

