

Zytel® 101L BKB080

NYLON RESIN

DuPont Performance Polymers

Message:

Unreinforced Polyamide 66

General Information				
UL YellowCard		E41938-100726136	E41938-234369	
Processing Method		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
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	180	85.0	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3100	1400	MPa	ISO 527-2
Tensile Stress (Yield)	82.0	55.0	MPa	ISO 527-2
Tensile Strain (Yield)	4.3	25	%	ISO 527-2
Nominal Tensile Strain at Break	25	> 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
Charpy Unnotched Impact Strength (23°C)	No Break	--		ISO 179/1eU
Notched Izod Impact Strength (23°C)	5.5	--	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength (23°C)	No Break	--		ISO 180/1U
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
Flammability	Dry	Conditioned		Test Method
Flammability Classification (0.710 mm)	V-2	--		IEC 60695-11-10, -20
Additional Information	Dry	Conditioned	Unit	Test Method

Emission of Organic Compounds	38.0	--	μgC/g	VDA 277
Odor	3	--		VDA 270
NOTE				
1.	10°C/min			

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