Zytel® 74G33W BK196

NYLON RESIN

DuPont Performance Polymers

Message:

33% Glass Reinforced, UV Stabilized, Polyamide 66 + Polyamide 6

General Information	
UL YellowCard	E41938-100751845
Filler / Reinforcement	Glass Fiber,33% Filler by Weight
Additive	UV Stabilizer
Forms	Pellets
Processing Method	Injection Molding
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1) Secant Modulus vs. Strain (ISO 11403-1)
Part Marking Code (ISO 11469)	>PA66+PA6-GF33<
Resin ID (ISO 1043)	PA66+PA6-GF33

Physical	Dry	Conditioned	Unit	Test Method
Density	1.39	--	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.70	--	%	
Flow	0.10	--	%	

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	10000	7080	MPa	ISO 527-2
Tensile Stress (Break)	185	125	MPa	ISO 527-2
Tensile Strain (Break)	3.0	6.0	%	ISO 527-2
Flexural Modulus	8900	--	MPa	ISO 178

Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-40°C	10	--	kJ/m²	
-30°C	10	10	kJ/m²	
23°C	12	18	kJ/m²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	70	65	kJ/m²	
23°C	80	100	kJ/m²	
Notched Izod Impact Strength				ISO 180/1A
-40°C	11	--	kJ/m²	
23°C	12	--	kJ/m²	

Unnotched Izod Impact Strength (23°C)	80	--	kJ/m²	ISO 180/1U
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature				
0.45 MPa, Unannealed	250	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	225	--	°C	ISO 75-2/A
Melting Temperature [1]	255	--	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow	1.4E-5	--	cm/cm/°C	
Transverse	1.1E-4	--	cm/cm/°C	
Additional Information	**Dry**	**Conditioned**		**Test Method**
Weather Stability [2]				DIN 53236
delta a	-0.150	--		
delta b	-0.800	--		
delta E	4.70	--		
delta l	-4.70	--		
NOTE				
1.	10°C/min			
2.	Without Washing			

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