DuPont™ Zytel®

nylon resin

PRELIMINARY DATA

Zytel® BM70G15HSLR BK537

Zytel® BM70G15HSLR BK537 is a 15% glass fiber reinforced polyamide 66 for blow molding.

Property	Test Method	Units	Value	
			DAM	50%RH
Identification				
Resin Identification	ISO 1043		PA66-IGF15	
Part Marking Code	ISO 11469		>PA66-IGF15<	
Mechanical				
Stress at Break	ISO 527	MPa (kpsi)	110 (16.0)	60 (8.7)
Strain at Break	ISO 527	%	4.5	21
Tensile Modulus	ISO 527	MPa (kpsi)	5400 (783)	3500 (510)
Notched Charpy Impact Strength	ISO 179/1eA	kJ/m^2	14	14
Unnotched Charpy Impact Strength	ISO 179/1eU	kJ/m^2	71	71
Thermal				
Deflection Temperature	ISO 75-1/-2	°C (°F)		
1.80MPa			228 (442)	
Melting Temperature	ISO 11357-1/-3	°C (°F)		
10°C/min			263 (505)	
Other				
Density	ISO 1183	kg/m^3 (g/cm^3)	1250 (1.25)	
Molding Shrinkage	ISO 294-4	%		
Parallel			0.39	
Processing - Blow Molding				
Melt Temperature Range		°C (°F)	285-305 (545-580)	
Melt Temperature Optimum		°C (°F)	290 (555)	
Drying Time, Dehumidified Dryer		h	4-5	
Drying Temperature		°C (°F)	100-110 (212-230)	
Processing Moisture Content		%	<0.05	
Swell Ratio			1.6	

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc
ISO Mechanical properties measured at 4.0mm, ISO Electrical properties measured at 2.0mm, and all ASTM properties measured at 3.2mm.
Test temperatures are 23°C unless otherwise stated.

The above data are preliminary and are subject to change as additional data are developed on subsequent lots.

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