

DuPont™ Zytel®

nylon resin

Zytel® 73G15HSL BK363

Zytel® 73G15HSL BK363 is a 15% glass fiber reinforced, heat stabilized, black polyamide 6 resin for injection molding.

Property	Test Method	Units	Value	
			DAM	50%RH
Identification				
Resin Identification	ISO 1043		PA6-GF15	
Part Marking Code	ISO 11469		>PA6-GF15<	
Mechanical				
Stress at Break	ISO 527	MPa (kpsi)	130 (18.9)	77 (11.2)
Strain at Break	ISO 527	%	2.3	10
Tensile Modulus	ISO 527	MPa (kpsi)	6500 (940)	4000 (580)
Notched Charpy Impact Strength	ISO 179/1eA	kJ/m ²	6	7
Unnotched Charpy Impact Strength	ISO 179/1eU	kJ/m ²	40	70
Thermal				
Deflection Temperature 1.80MPa	ISO 75f	°C (°F)	204 (399)	
Melting Temperature 10°C/min	ISO 11357-1/-3	°C (°F)	221 (430)	
Flammability				
Flammability Classification 1.5mm	IEC 60695-11-10		HB	
Flammability Classification 1.5mm	UL94		HB	

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.

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Zytel® 73G15HSL BK363

Property	Test Method	Units	Value	
			DAM	50%RH
Temperature Index				
RTI, Electrical 1.5mm	UL 746B	°C	65	
RTI, Impact 1.5mm	UL 746B	°C	65	
RTI, Strength 1.5mm	UL 746B	°C	65	
Other				
Density	ISO 1183	kg/m ³ (g/cm ³)	1250 (1.25)	
Processing				
Melt Temperature Range		°C (°F)	260-280 (500-535)	
Melt Temperature Optimum		°C (°F)	270 (520)	
Mold Temperature Range		°C (°F)	70-120 (160-250)	
Mold Temperature Optimum		°C (°F)	100 (210)	
Drying Time, Dehumidified Dryer		h	2-4	
Drying Temperature		°C (°F)	80 (175)	
Processing Moisture Content		%	<0.2	

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