Zytel® BM74G18HS BK553

(PA66+PA6)-I-GF18 Celanese

Product Texts

Zytel®BM74G18HS BK553 is a 18% Glass Reinforced heat stabilized nylon 66 and nylon 6 comelt resin for blow molding process

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.7 / ***	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**0.7 / ***	%	ISO 294-4, 2577
[C] Ejection temperature	**210**	°C	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**5500 / 2800**	MPa	ISO 527
[C] Yield stress	**100 / 50**	MPa	ISO 527
[C] Yield strain	**3 / 8**	%	ISO 527
[C] Charpy impact strength, +23°C	**65 / -**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**17 / -**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**6 / -**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**260 / ***	°C	ISO 11357-1/-3
[C] Temp. of deflection under load, 1.80 MPa	**215 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**245 / ***	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**43 / ***	E-6/K	ISO 11359-1/-2
[C] Coeff. of linear therm. expansion, normal	**130 / ***	E-6/K	ISO 11359-1/-2
[C] Burning Behav. at 1.5 mm nom. thickn.	**HB / ***	class	IEC 60695-11-10

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Humidity absorption	**2.2 / ***	%	Sim. to ISO 62
[C] Density	**1220 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Material specific properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Viscosity number	**140 / ***	cm³/g	ISO 307, 1157, 1628

[C]: CAMPUS

Characteristics

Processing

Blow Molding

Delivery form

Pellets, Black

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, South and Central America

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