Zytel® HTNFR55G55NHLW BK174

PA*-GF57 FR(40) Celanese

Product Texts

Zytel® HTNFR55G55NHLW BK174 is a 57% glass reinforced, flame retardant high performance polyamide resin with improved flow and low warpage in structural applications. It is also a PPA resin and uses a non-halogenated flame retardant.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.1 / ***	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**0.2 / ***	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**20000 / -**	MPa	ISO 527
[C] Stress at break	**200 / -**	MPa	ISO 527
[C] Strain at break	**1.5 / -**	%	ISO 527
[C] Charpy impact strength, +23°C	**45 / -**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**8 / -**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**220 / ***	°C	ISO 75-1/-2
[C] Burning Behav. at 1.5 mm nom. thickn.	**V-0 / ***	class	IEC 60695-11-10
Thickness tested	**1.5 / ***	mm	-
Yellow Card available	**yes / ***	-	-
[C] Burning Behav. at thickness h	**V-0 / ***	class	IEC 60695-11-10
Thickness tested	**0.8 / ***	mm	-
Yellow Card available	**yes / ***	-	-

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Density	**1730 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Features
Low Warpage

Special Characteristics
Flame retardant, Halogen-free

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

Other text information

Injection molding

For molding machine components, use corrosion resistant and wear resistant steel. For details please contact our representative. Limit the residence time of the resin in the machine. Use proper protective equipment and adequate ventilation.