

PIBITER NRV215AE - PBT

Description

PIBITER NRV215AE is a 15% glass-filled flame retardant PBT

Physical properties	Value	Unit	Test Standard
Density	1570	kg/m ³	ISO 1183
Melt flow rate, MFR	37	g/10min	ISO 1133
MFR temperature	250	°C	ISO 1133
MFR load	2.16	kg	ISO 1133
Humidity absorption, 23°C/50%RH	0.05	%	ISO 62

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	6200	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	75	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	2	%	ISO 527-2/1A
Flexural modulus, 23°C	5000	MPa	ISO 178
Charpy impact strength, 23°C	35	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	3.5	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	190	°C	ISO 75-1, -2
Flammability @1.6mm nom. thickn.	V-0	class	UL 94
thickness tested (1.6)	1.6	mm	UL 94
Flammability 5V at thickness h	5VA	class	UL 94
thickness tested (5V)	3.0	mm	UL 94
UL recognition (5V)	UL	-	UL 94

Characteristics

Special Characteristics	Processing
Flame retardant	Injection molding
Product Categories	Delivery Form
Glass reinforced	Pellets