

Technical Data Sheet

Vitamide BT34ST IRON 6-2554



Polyamide 6

Product Description

Vitamide BT34ST IRON 6-2554 is a Polyamide 6 Glass Fiber, 20% filled material. Features include: Impact Modified.

Attribute	Impact Modified
Additive	Impact Modifier
Application	Appliance Components
Filler/Reinforcement	Glass Fiber, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.3	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	75	MPa	ISO 527-2
Flexural Modulus	3400	MPa	ISO 178
Impact			
Notched Izod Impact Strength	13	kJ/m ²	ISO 180
Thermal			
DSC Melting Point	220	°C	ISO 3146
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	ISO 3795
(2.00 mm)	<100	mm/min	FMVSS 302
UL Information			
Flame Rating	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	3.0 to 4.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	250 to 280	°C
Mold Temperature	60 to 100	°C