

Technical Data Sheet

Vitamide XG1402 BLACK 2-0010

Polypropylene, Homopolymer

Product Description

Unfilled flame retardant PP homopolymer without PBDE

Processing Method Injection Molding

Attribute High Flow; Low Density

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	25	g/10 min	ISO 1133
Density	0.99	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus	1500	MPa	ISO 178
Tensile Strain at Yield	4	%	ISO 527-2
Flexural Stress	37	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched, (23 °C)	2.5	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore D)	68		ISO 868
Thermal			
Vicat Softening Temperature, (A (10N), 50 °C/h)	145	°C	ISO 306
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795
Glow Wire Flammability Index			
(1.5 mm)	930	°C	IEC 60695-2-12
(3.0 mm)	930	°C	IEC 60695-2-12
Glow Wire Ignition Temperature			
(1.5 mm)	960	°C	IEC 60695-2-13
(3.0 mm)	700	°C	IEC 60695-2-13
UL Information			
Flame Rating			
(1.5 mm) (UL 94)	V-0		
(3.0 mm) (UL 94)	V-0		

UL File Number		
(Europe)		E132739
(Europe)		E86615

Injection Parameters	Nominal	
	Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	30 to 60	°C