

Technical Data Sheet

Vitamide XG1402 BLACK 2-0010



Polypropylene, Homopolymer

Product Description

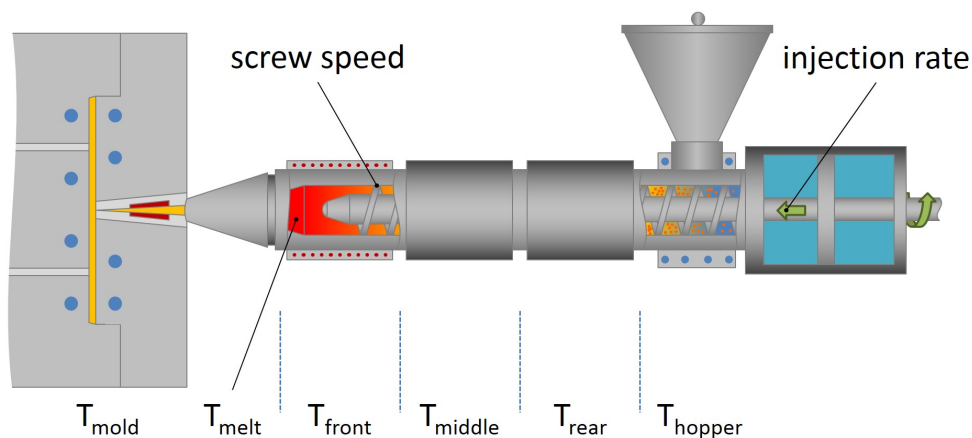
Unfilled flame retardant PP homopolymer without PBDE

Regulatory Status

For regulatory compliance information, see XG1402 BLACK 2-0010 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Limited Issue
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
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		



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

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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