

Technical Data Sheet

**Vitamide PERCOM XG1402 NAT 0-0168**



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
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	25	g/10 min	ISO 1133
Density	0.99	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Flexural Modulus	1500	MPa	ISO 178
Tensile Strain at Yield	4	%	ISO 527-2
Flexural Stress	37	MPa	ISO 178
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C)	2.5	kJ/m <sup>2</sup>	ISO 179
<b>Hardness</b>			
Shore Hardness, (Shore D)	68		ISO 868
<b>Thermal</b>			
Vicat Softening Temperature, (A (10N), 50 °C/h)	145	°C	ISO 306
<b>Flammable</b>			
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
<b>UL Information</b>			
Flame Rating			
(1.5 mm) (UL 94)	V-0		
(3.0 mm) (UL 94)	V-0		

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UL File Number

(Europe)

E132739

(Europe)

E86615

<b>Injection Parameters</b>	<b>Nominal Value</b>	<b>Units</b>
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