

## Melapur® 200

Technical DataSheet | Supplied by BASF

Melapur® 200 by BASF is a melamine polyphosphate. It is a halogen-free flame retardant. Upon exposure to strong fire, it forms a stable char which protects the polymer and prevents further flame propagation. The good balance between intumescence and thermal stability provides a processing window of up to 320°C. Recommended for glass fiber reinforced polyamide 66 and polyester (e.g. PBT). Primarily used for electrical & electronic applications (connectors, switches, housings, etc.). Melapur® 200 is compliant with UL 94 V-0 (0.8mm) at 25 wt.%.

<b>Product Type</b>	Flame Retardants / Smoke Suppressants > Melamine Compounds
<b>Chemical Composition</b>	Melamine-polyphosphate
<b>CAS Number</b>	218768-84-4
<b>Masterbatch</b>	No
<b>Physical Form</b>	Powder
<b>Appearance</b>	White
<b>Product Status</b>	COMMERCIAL
<b>Applications/ Recommended for</b>	PBT PA, Nylon Electrical markets > Connectors Electrical markets > Housings Electrical markets > Switches Electronics / Computers Safety, regulation & environment > Flame retardancy Safety, regulation & environment > Halogen-free
<b>Food contact approval</b>	Yes
<b>Bio Based</b>	No

## Melapur® 200 Properties

Property	Value & Unit	Test Condition	Test Method
<b>Solubility</b>	< 0.1 g/l	At 20°C in Water	

<b>Density, Bulk</b>	0.3 g/ml	
<b>pH</b>	5.5 - 6.5	At 20°C. Saturated Solution
<b>Angle of Repose</b>	49 °	
<b>Specific Gravity</b>	1.85	
<b>Weight Loss</b>	1 %	At 355°C (Heating Rate: 20 °C/min in Air). TGA
<b>Weight Loss</b>	2 %	At 370°C (Heating Rate: 20 °C/min in Air). TGA
<b>Weight Loss</b>	5 %	At 385°C (Heating Rate: 20 °C/min in Air). TGA

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