

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.%.

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

Melapur® 200 Properties

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

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

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