

# TULAMID® PA-1AP

Polyamide 6  
UCC Shchekinoazot

## Message:

Polyamide 6 self-extinguishing is an engineering plastic based on thermoplastic polymer - polyamide 6 - and glass-fibre and fire retardant those change its properties.  
Application  
Polyamide 6 self-extinguishing is applied for production of machine components, high-tech, and industrial and consumer products.

General Information			
Features	Flame Retardant		
	Non-Toxic		
	Self Extinguishing		
Uses	Consumer Applications		
	Industrial Applications		
	Machine/Mechanical Parts		
Appearance	White		
Forms	Granules		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage - Flow	0.60 to 1.0	%	Internal Method
Particle Size Distribution - 2-5 mm	> 97	%	
Hardness	> 137	MPa	
Flame Resistance (4.00 mm)	PV-0		Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			Internal Method
Across Flow : Break	> 90.0	MPa	
--	> 65.0	MPa	
Tensile Elongation (Break)	> 4.0	%	Internal Method
Flexural Modulus	> 3000	MPa	Internal Method
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	> 50	kJ/m²	Internal Method
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	210 to 230	°C	Internal Method
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	20 to 22	kV/mm	Internal Method

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