



PA6-Colour

Product Name		PA6-Colour		
Chemical Name		POLYAMIDE 6 (CAST NYLON 6)		
CAS NO		25038-54-4 (POLYMER)		
Product Use		Engineering Plastic Stock Shape for Machining		
Company Identification		PSR Industrial Ltd.		
Hazard Identification				
Eye		Polymer particles can cause mechanical irritation.		
Skin		Hot and molten material has the potential to cause thermal burns.		
Inhalation		Shapes not respirable.		
Ingestion		No specific information available on the product.		
Composition, Information on Ingredients				
		Additives not hazardous by 29 CFR 1910.1200.		
		Identity	CAS#	Concentration(%)
		Not Applicable	Not Applicable	Not Applicable
		This is a polymeric material. All constituents have no likelihood of exposure under normal conditions of processing and handling.		
First Aid Measures				
Eye		Immediately flush eyes with plenty of water. Seek medical attention if discomfort persists.		
Skin		If hot and molten PA6-WAX contact skin, cool rapidly with cold water. If PA6-WAX is stuck to skin, do not remove. And allow adhered PA6-WAX to come off naturally. Seek medical attention if burn occurs.		
Inhalation		ABS is not likely to be inhaled due to physical form.		
Ingestion		If a significant quantity has been swallowed, give plenty of water to dilute. Seek medical attention.		
Fire Fighting Measures				
Autoignition Temperature		375°C (707°F)		
Unusual Fire, Explosion Hazards		None known.		
Hazardous Product of Combustion		Carbon monoxide, hydrogen cyanide and nitrogen gasses will occur.		
Extinguishing Media		Carbon dioxide, powder, dry chemical, foam or water spray.		
Firefighting Instructions		Firefighters should wear self-contained breathing apparatus and full fire-fighting turn-out gear (bunker gear).		
Accidental Release Measures				
Personal Precaution		Sweeping to prevent fall.		
Environmental Protection		No special measures.		
Handling and Storage				
Handling		Evacuate residue to prevent slipping hazard.		
Storage		Store in well-ventilated area away from heat and sunlight. Dry storage.		
Exposure Contrls / Personal Protection				
Engineering Controls		A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended.		
Protective Equipment				
Eyes		Wear safety glasses with side shields should be sufficient for most processing and machining runs.		
Skin		When thermal or melt processing, wear long pants, long sleeves and well insulated gloves.		
Respiratory		Under normal conditions no special respiratory protection is required, however one recommends with work under increased temperatures without sufficient exhaust, use an approved air-purifying respirator.		
Physical and Chemical Properties				
Appearance		Solid/Stock shape may be rod or plate.		



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Colour	Red, Yellow, Green, Blue, Other colours on request
Smell	None
PH	Not applicable
Water Solubility	Insoluble
Boiling Point	Not applicable
Melting Point	212~230°C (413~446°F)
Vapor Pressure	Not applicable
Ignition Temperature	450°C (842°F)
Specific Gravity	1.15 ~ 1.17g/cm ³

Stability and Reactivity

Chemical Stability	Stable under normal conditions of use and storage.
Condition to Avoid	Heating above 300°C (572°F).
Hazardous Reactions	Stable under normal conditions.
Materials to Avoid	Strong acids and Oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide, Carbon dioxide and Hydrogen cyanide.

Toxicological Information

	No specific information available on the product.
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Ecological Information

Environmental Information	This material is considered to be non-biodegradable.
Aquatic Toxicity	Toxicity is expected to be low based on insolubility of polymer in water.

Disposal Considerations

	Recycling is encouraged. Dispose in accordance with local regulations.
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Transportation Information

	This product is not subject to transport regulations.
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Regulatory Information

	Labelling in accordance to EEC directive
	There is no need to mark this product according EU-regulations.

Section 313 Supplier Notification:	This product does not contain any toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.
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Other Information

This product is not intended for use in medical applications involving permanent implantation in the human body. The information contained herein is based on the present state of our knowledge. We don't suggest or guarantee that any hazards listed herein are the only ones that exist. PSR Industrial, Ltd. makes no warranty of any kind concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and this material may aggravate the effects of other materials.

Users have the sole responsibility to determine the suitability of the materials of any use and the manner of use contemplated. Users must meet all applicable safety and health standards.