

ZELUX®

Made from Polycarbonate Resin

ZELUX W — Window Grade Sheet

ZELUX M — Machine Grade

MATERIAL SAFETY DATA SHEET

SECTION 1 — MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS — Chemical Name & Common Names (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	%*	OSHA PEL	ACGIH TLV	Other Limits Recommended
Polycarbonate	*	Not Listed	Not Listed	
TOTAL	100			

SECTION 2 — PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	Not applicable	Specific Gravity (H ₂ O=1)	1.20
Vapor Pressure (mm Hg and Temperature)	Not applicable	Melting Point	Not applicable
Vapor Density (Air = 1)	Not applicable	Evaporation Rate (= 1)	Not applicable
Solubility in Water	Insoluble	Water Reactive	Not applicable
Appearance and Odor	Pellet of All color ; no odor.		

*Optional

SECTION 3 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and >522 °C Method Used (ASTM D1929)	Auto-Ignition >550 °C Temperature	Flammability Limits in Air % by Volume
Extinguisher Media		Not applicable
Special Fire Fighting Procedures	Dry chemical or water.	
Unusual Fire and Explosion Hazards	Burning pellets create a black, sooty smoke of uncertain hazard and composition. Wear appropriate respiratory protection for toxic and irritating gases and aerosols generated by thermal decomposition.	
	There is no explosion hazard. Fire hazard is similar to that of other solid volatile organic materials.	

SECTION 4 – REACTIVITY HAZARD DATA

STABILITY (*)Stable ()Unstable	Conditions To Avoid
	None specifically known
Incompatibility (Materials to Avoid)	None specific incompatibility
Hazardous Decomposition Products	Gases generated by combustion are carbon monoxide and/or carbon dioxide
HAZARDOUS POLYMERIZATION ()May Occur (*)Will Not Occur	Conditions To Avoid
	None specifically known

SECTION 5 – HEALTH HAZARD DATA

Primary Routes of Entry	() Inhalation () Ingestion () Skin Absorption (*) Not Hazardous
Carcinogen Listed In	() NTP () OSHA () IARC Monograph (*) Not Listed
Health Hazards	Acute Not available Chronic Not available
Signs and Symptoms of Exposure	No effects observed or expected
Medical Conditions Generally Aggravated by Exposure	None known
Emergency First Aid Procedures	Seek medical assistance for further treatment, observation and support if necessary.
Eye Contact	Flush eyes thoroughly with clean, low pressure water.
Skin Contact	Wash affected areas with soap and water.
Inhalation	None
Ingestion	None

* Optional

SECTION 6 – CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type)	Not required
Protective Gloves	Insulated gloves
Eye Protection	Safety glasses with side shields
Ventilation To Be Used () Local Exhaust () Mechanical (general) () Special () Other (specify)	Not required Not required None None
Other Protective Clothing and Equipment	Not required
Hygienic Work Practices	Not required

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

Steps to be Taken If Material Is Spilled Or Released	Sweep up and place in a waste disposal container
Waste Disposal Methods	Disposal must be in accordance with national and local regulation for nonhazardous waste.
Precautions to be Taken in Handling and Storage	None

Other Precautions and/or Special hazards

This material shall be used for molding purposes only. Processing of thermoplastic resins at temperatures commonly used in extrusion or injection molding may produce fumes which may be irritation to some individuals. The composition of the fumes is dependent on operating conditions, especially temperature and residence time; the specific formulation of the product being manufactured; surface area of the product being manufactured; equipment variables; and water content of the product formulation, among other characteristics. Overexposure in some individuals may produce irritation of the eyes, mucous membranes and upper respiratory tract. Well designed local exhaust ventilation should be used to capture these fumes and remove them from the workplace (see Section 6). Captured fumes and residues may be flammable and/or combustible, and ventilation systems must be designed, constructed, operated, and maintained to prevent fires and explosions. Wear protective clothing, including rubber gloves, to prevent skin contact during cleaning of the ventilation system.

* Optional

The data given here is on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in term of their safty requirements. The data dose not signify any warrenty with regard to the product's properties.