

Material Safety Data Sheet
Extruded Nylon Products of ZL Engineering Plastics, Inc.



1. Product and Company

ZL Products:

ZL™ 250 Type 6/6 Nylon – Natural
ZL™ 250 Blk Type 6/6 Nylon – Black
ZL™ 250 MO Type 6/6 Nylon – MoS2 added
ZL™ 250 GF30 Type 6/6 Nylon -30% glass filled
ZL™ 202 Type 6 Nylon – Natural

Manufacture:

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2. Composition/Information on Ingredients

Stock shapes manufactured of extruded Polyamide 6 and Polyamide 6/6, possibly stabilizing agents, pigments, fillers, and additives.

CAS – number: 25038 – 54 – 4

3. Possible Hazards

None.

4. First Aid Measures

General Information: Burns caused by molten material require hospital treatment.

5. Fire Fighting Measures

Suitable extinguishing media: Water, foam, dry extinguishing media

Further information: The following can be given off at above 300°C: toxic gases, carbon monoxide.

In addition small quantities of the following substances can be formed: hydrogen cyanide.

Formation of further fission and oxidation products depends upon the fire conditions. Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

6. Measures in case of Accidental Release

Not applicable.

7. Handling and Storage

No special precautions necessary. Unlimited storage possible.

8. Exposure Limits

None.

9. Physical and Chemical Properties

Appearance

Form: Solid as semi-finished (plate, rod, tube) at 20°C

Color: Natural or Black

Odor: Odorless

Change in Physical State

Melting point: 217 – 221°C

Flash point: >390°C

Ignition temperature: >400°C

Density: 1.14g/cm³

10. Stability and Reactivity

Thermal Decay: Starts to decompose at 300°C

Dangerous by-products of decay: Carbon monoxide, hydrogen cyanide

11. Toxicological Information

In our experience and according to information available to us, the product is not harmful to health provided if it is correctly handled and processed according to the given recommendations.

12. Ecological Information

Persistence/degradability: Very low UV degradability

Ecotoxicity: No indication that this material is being a risk to the environment

Aquatic toxicity: Insoluble, non toxic solid material (no water hazard)

13. Disposal Information


Check for possible recycling. Can be dumped with domestic refuse or incinerated in suitable plants in accordance with local regulations.

14. Transport Information

Not classified as hazardous under transport regulation.

15. Rules

California Proposition 65:

 **WARNING:** This product can expose you to chemicals including **Carbon Black** (CAS 1333-86-4), which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

16. Special Information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.