

3DGence PEEK

1.IDENTIFICATION OF THE SUBSTANCE

1.1. Product identifier	PEEK Unfilled Natural Extruded
Tradename	3DGence PEEK
Product type	-
1.2. Recommended use	This product is an article produced to customer specifications for various uses
1.3. Company	3DGence sp. z o.o. Mickiewicza 29 40-085 Katowice
Telephone	+48 32 438 98 65
E-Mail	sales@3dgence.com
1.4. Emergency telephonenumber	+48 32 438 98 65

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Version 1

Revision date: 01.10.2020

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information: Contaminated clothing must be taken off immediately.

After inhalation: Not an expected route of exposure. If exposed to fumes from overheating or combustion, remove to fresh air. Keep warm and at rest. If breathing has stopped, give artificial respiration. Call a physician.

After eye contact: Rinse with water for 15 minutes. Remove contact lenses if present and easy to do. If eye irritation persists, get medical attention.

After skin contact: This product is not likely to be hazardous, but cleanse skin after use. If contact with hot material occurs, immediately cool with plenty of cold water. Have burn treated by a physician.

After ingestion: Not an expected route of exposure.

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5. FREFIGHTING MEASURES

5.1. Extinguishing media

Water Spray, Dry Chemical, Foam, or Carbon Dioxide.

5.2. Unsuitable media

None.

5.3. Fire Fighting Procedures

Keep personnel removed and upwind of fire. Wear a self-contained breathing apparatus and full protective equipment. Wear neoprene gloves when handling refuse from a fire.

5.4. Additional Information

Hazardous decomposition products including carbon dioxide and carbon monoxide may be formed during combustion. These products may cause respiratory irritation.

6. ACCIDENTAL RELEASE MEASURES

6.1. Containment & Clean-Up

Contain spill. Mechanically collect by sweeping and shoveling. Transfer to properly labeled containers for recycling or disposal.

7. ACCIDENTAL RELEASE MEASURES

7.1. Precautions

Store away from extreme heat. Do not crush.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Polyetheretherketone (PEEK)	N/A	N/A	N/A

Personal Protective: Goggles, Gloves, Respirator

Eye Protection: Wear safety glasses with side shields when cutting or grinding.

Skin: Wear appropriate gloves when handling heated material to prevent thermal burns.

Clothing: Wear protective clothing and boots as required.

Respiratory: If thermal decomposition occurs, a NIOSH approved mask for acidic gases must be used to avoid inhalation of vapors in accordance with OSHA regulations.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Fundamental physical and chemical properties

Physical State	Solid
Color	Beige
Odor	Odorless
Odor Threshold	N/A
Solubility	Insoluble
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1.3
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	None
FP Method	N/A
Ph	N/A
Melting Point	336 - 370 C
Boiling Point	Not Applicable
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	450 C
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	N/A

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10. STABILITY AND REACTIVITY

Stability	Stable at room temperature under normal storage and handling conditions.
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Stability & Reactivity	Hazardous polymerization will not occur.
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11. TOXICOLOGICAL INFORMATION

Acute Toxicity	No adverse effects observed.
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Skin Effects	No irritant effects anticipated.
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Eye Effects	No irritant effects anticipated.
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Sensitization	No sensitizing effects known.
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Additional Information	When heated above 450 C small amounts of carbon dioxide and carbon monoxide may be released which may cause respiratory irritation.
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12. ECOLOGICAL INFORMATION

General Notes	Significant ecological effects are not expected under normal use.
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Ecotoxicity	Ecotoxicity is expected to be low.
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Degradation	This product may not degrade significantly in most natural environments.
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13. DISPOSAL

Waste Treatment Methods	Recycling is preferred. Where recycling is not possible, dispose of in accordance with all local and national regulations.
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14. TRANSPORT INFORMATION

UN Number	N/A
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UN Proper Shipping	N/A
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DOT Classification	N/A
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Packing Group	N/A
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Additional Information	Not classified as hazardous or dangerous for means of transport.
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15. REGULATORY INFORMATION

Classification This product is not classified as hazardous.

TSCA The components of this product are in compliance with the chemical notification requirements of TSCA.

EIECS All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances, or are exempt polymers whose monomers are listed.

15. OTHER INFORMATION

Revision Date 10/8/2014

Additional Information The information in this Safety Data Sheet is believed to be correct as of the date issued. 3DGence makes no warranties, expressed or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose or course of performance or usage of trade. User is responsible for determining whether the 3DGence product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3DGence product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3DGence product to determine whether it is fit for a particular purpose and suitable for the user's method of use or application.