

DynaFlex® Technical Data Sheet Glacier®

Section 1: IDENTIFICATION OF THE SUBSTANCE/MFG LOCATION

Product Details

Trade Name:

Glacier®

Relevant identification & use of material:

Production of pressure molding splints

Manufacturer/Supplier:

DYNAFLEX®

8050 Hawk Ridge Trail
Lake St. Louis, MO 63367
USA
PHONE: 866.346.5665

Section 2: COMPOSITION/INGREDIENTS CHEMICAL CHARACTERIZATION

Composition/information on ingredients chemical characterization

Designation: CoPolyester Thermoplastic

Material Structure:

CoPolyester (Hard)

Distribution

Material thickness	.030	.035	.040

Section 3: HANDLING STORAGE/HANDLING STORAGE TRANSPORT

Information on safe handling:

Do not eat, drink or smoke while working.
In case of dust formation, use suction

Storage Conditions:

Store in a cool, dry, and dark place.
Storage temperature no more than 30°C

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Transport Conditions:

Store in a cool, dry, and dark place.
Storage temperature no more than 30°C
Short-term up to 50 ° C.

Processing Information:

Follow Glacier IFU Documentation

Section 4: PHYSICAL, CHEMICAL, MECHANICAL PROPERTIES

General Properties:

Properties	Test Methods	Value (Copolyester)
Form	-	solid
Colour	-	Transparent
Odour	-	Odourless.
Density	ASTM D792-13	1.24 g/cm ³

Mechanical Properties:

Properties	Test Methods	Value (Copolyester)	Value (Copolyester)	Value (Copolyester)
		0.030	0.035	0.040
Tensile strength:	ISO 527	54.5 MPa	54.5 MPa	54.5 MPa
E-module	ISO 527	3172 MPa	3585 MPa	4135 MPa
Elongation at break	ISO 527	150%	150%	150%
Flexural strength	ISO 178	73 MPa	74 MPa	74 MPa
Impact strength at 23 ° C	ISO 180	No break	No break	No break
Hardness, Shore D	DIN 53505	73	73	73

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Thermal Properties:

Properties	Test Methods		Value (Copolyester)
Melting Point	ASTM E1508-12a		108.3 °C

Section 5: BIOLOGICAL PROPERTIES/BIOCOMPATIBILITY

The material has been tested according to DIN EN ISO 10993 for biocompatibility and meets the requirements for biocompatibility of medical devices.

Section 6: STABILITY & REACTIVITY THERMAL DECOMPSITION CONDITIONS TO BE AVOIDED

No decomposition if used according to specifications.

Section 7: INSTRUCTIONS FOR DISPOSAL

The material can be delivered to the house or-industrial waste.

Note: The above information is given to the best of our knowledge, but can only provide non-binding advice. Any processing details are indicative and do not absolve the user from the obligation to check the suitability for the intended application.

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