

## DynaFlex<sup>®</sup> Technical Data Sheet

### Section 1: Identification Of The Substance/MFG Location

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#### Product Details:

Trade Name: Glacier<sup>®</sup>

Relevant Identification & Use Of Materials: Production of pressure molding splints

#### Manufacturer/Supplier:

DynaFlex<sup>®</sup>

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

### Section 2: Composition/Ingredients Chemical Characterization

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#### 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

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**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.

**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<sup>®</sup> IFU Documentation



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## Section 4: Physical, Chemical, Mechanical Properties

### General Properties:

Properties	Test Methods	Value (Copolyester)
Form	-	Solid
Colour	-	Transparent
Odour	-	Odourless
Density	ASTM D792-13	1.24g/cm <sup>3</sup>

### Mechanical Properties:

Properties	Test Methods	Value (Copolyester) .030	Value (Copolyester) .035	Value (Copolyester) .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

### 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 Decomposition 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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