

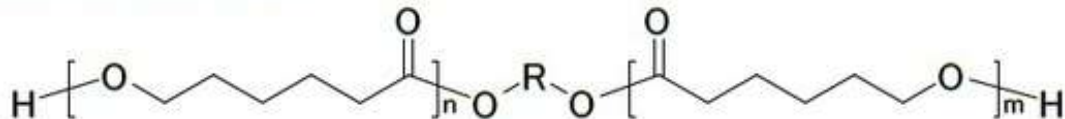
PLACCEL H5C

High molecular weight thermoplastic polycaprolactone diol

<Description>

PLACCEL H5C is polycaprolactone and its molecular weight is 50000. PLACCEL H5C is thermoplastic resin and easy to transform into any shape under more than 60°C, because melting point of PLACCEL H5C is lower than other plastics. In addition, PLACCEL H5C is ecological plastic because of its biodegradability.

Applications are Plastic materials moldable with hot air or hot water, Medical materials, Additives for plastics to improve its mechanical properties including impact resistance, Binders for ceramics and for metal mold, Biodegradable plastics, Hot melt adhesives, Biodegradable for thermal transfer printing inks.



<Composition / Information on ingredients>

Composition of Polycaprolactone Diol (PLACCEL H5C)

Component Name / Chemical Name	Composition / % by Weight	Content
Polycaprolactone	100%	1000000g

Global Regulations

RoHS	REACH	SVHC	Phthalates	PAHs	Hexachlorocyclopentadiene	Hexachlorobenzene	Hexachlorobenzene	Hexachlorobenzene	Hexachlorobenzene	Hexachlorobenzene
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

(*) The above information is for reference only.

Typical properties

Property	PLACCEL H5C		PLACCEL H5C		PLACCEL H5C	
	Value	Unit	Value	Unit	Value	Unit
Melting Point	60	°C	60	°C	60	°C
Softening Point	60	°C	60	°C	60	°C
Modulus	2.0	GPa	2.0	GPa	2.0	GPa
Impact Strength	10	kJ/m ²	10	kJ/m ²	10	kJ/m ²

(*) The above information is for reference only.

It should be noted that typical property values shown in this technical data sheet are representative values and are not guaranteed values. Please contact us to check actual product and guaranteed values.

Please refer to our SDS (Safety Data Sheet) for information on the handling of each product.

DAICEL CORPORATION
 Chemicals Division, Polymer Division
 Organic Chemical Marketing Group
 4-1-1 Higashi, Tsukuba, Ibaraki, Japan
 Tel: 0298-532111

PLACCEL H5C
 PLACCEL H5C
 PLACCEL H5C