

Technical data sheet

Product name: Biograde® C 5508
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Designation of product, preparation and manufacturer

Trade name: Biograde® C 5508
Use of product: Biodegradable compound for injection moulding made partially from biobased resources.
Manufacturer: FKUR Kunststoff GmbH
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Mechanical properties

Modulus of elasticity	2,460	[MPa]	ISO 527
Tensile strength	55	[MPa]	ISO 527
Tensile strain at tensile strength	7	[%]	ISO 527
Tensile stress at break	53	[MPa]	ISO 527
Tensile strain at break	17	[%]	ISO 527
Flexural modulus	2,620	[MPa]	ISO 178
Flexural strain at break	no break	[%]	ISO 178
Flexural stress at 3.5 % strain	62	[MPa]	ISO 178
Notched impact strength (Charpy), RT	10.5	[kJ/m ²]	ISO 179-1/1 eA
Impact Strength (Charpy), RT	no break	[kJ/m ²]	ISO 179-1/1 eU

The values listed have been established on standardized test specimens (DIN EN ISO 3167, type A) at standard temperature and humidity conditions.

Physical properties

Melt flow rate (230 °C/5 kg)	18 - 25	[g/10 min]	ISO 1133
Melt volume rate (230 °C/5 kg)	16 - 22	[cm ³ /10 min]	ISO 1133
Melting temperature	> 180	[°C]	ISO 3146-C
Vicat A softening temperature	107	[°C]	ISO 306
Density	1.27	[g/cm ³]	ISO 1183
Shrinkage	0.39 / 0.85	[%]	ISO 294-4

Legal notice

The figures should be regarded as guide values only. Under certain conditions the properties can be influenced to a significant extent by the processing conditions.

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