

RavaBio[®] 91 T 20 S

Bio based compound

Description:

RavaBio 91 T 20 S is a mineral filled, bio polyester - TPS compound, developed for injection molding applications for the packaging industry. Excellent surface and properties.

RavaBio 91 T 20 S is considered as compostable compound.

General

MFI (190°/2,16kg)	ISO 1133	18	g/10min
Density	ISO 1183	1,33	g/cm ³

Thermal

HDT/A (1,82MPa)	ISO 75A	44	°C
HDT/B (0,46MPa)	ISO 75B	49	°C
Vicat softening point (B50 (50N))	ISO 306	54	°C

Mechanical

Izod notched impact strength (23 °C)	ISO 180	4	kJ/m ²
Tensile strength at yield (23 °C)	ISO 527	45	MPa
Tensile strength at break (23 °C)	ISO 527	35	MPa
Elongation at yield (23 °C)	ISO 527	2	%
Elongation at break (23 °C)	ISO 527	7	%
Tensile modulus (23 °C)	ISO 527	3700	MPa

Remark:

Processing guideline

It is a bio polyester compound, highly hygroscopic. Before processing it needs to be pre-dried, preferable with a dehumidification process, 4-5 hours at 45-60 °C.

Cylinder temperatures 140 to 180 °C, melt temperature preferably not higher than 210 °C. Desirable 185 °C. Mould temperature 30 to 60 °C