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BioXpresS[®]-GRIP100

Technical Data Sheet

BioXpresS[®]-GRIP100 – A biopolymer based resin for adhesives that is compostable in either anaerobic or aerobic conditions in water or soil. A PHA type of polymer with good hydrolytic stability as well as fast setting characteristics. Compliant with ASTM 6400.

Typical Properties

Property

	<u>ASTM</u>	<u>Unit</u>	<u>Value</u>
Density	D792	g/cc	1.21
Melting Point	(DSC)	°C	145
DTUL (at 0.45MPa)	D648	°C	121
Vicat (at 10N)	D1525	°C	129
Flexural Modulus	D790	MPa	1444
Tensile Strength	D882	MPa	28
Tensile Elongation	D882	%	26
Tensile Modulus	D882	MPa	1240
Tear strength*	D1004	N/mm	77
Humidity permeability**	JIS Z0208	g/m ² - day	80~100
Oxygen permeability**	JIS K7126	cm ³ /m ² -day-atm	5~7
Melt Flow Rate	D1238	g/10min***	20-25

***100micron T-Die cast film**

****Thickness=60 microns**

*****160°C, 5kgs.**

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