



Bio-Star ecoStar FD92

Bio-based Polybutylene Succinate (PBS)
Film, extrusion, injection molding

<u>Melt Flow</u>	<u>ASTM Test</u>	<u>Typical Value</u>
Flow, gm/10 min., 190/2.160	D-1238	4.0
Specific Gravity	D-792	1.24

<u>Tensile Properties</u>	<u>ASTM Test</u>	<u>Typical Value</u>
Stress MD Break, psi	D-882	4640
Stress TD Break, psi	D-882	3920
Elongation, %	D-882	
MD Break		600%
TD Break		580%
Modulus MD, psi	D-882	40,610
Modulus TD, psi	D-882	46,400

<u>Thermal Properties</u>	<u>ASTM Test</u>	<u>Typical Value</u>
Melting Point, F	DSC	183

Other Information

Bio-Star ecoStar FD92 is food contact grade, comply to EU10/2011. OK COMPOST HOME certified by Vincotte in European Union. Renewable Content certified by DIN CERTCO and JBPA.

Bio-Star ecoStar FD92 PBS is produced from polymerization of bio-based succinic and 1,4-butanediol. Like LDPE resin, Bio-Star ecoStar FD92 is soft and flexible semi-crystalline polyester with excellent properties for film, extrusion and injection molding.

Please contact us with any additional questions you may have regarding this material. (940) 226-3131