

Ecomann® Bioresin EM10080

Polyhydroxyalkanoate

Shenzhen Ecomann Biotechnology Co., Ltd.

Message:

EM10080 is biodegradable, bio-polyester designed for use in film applications.

Typical applications: Blown film applications

General Information			
Features	Biodegradable		
	Compostable		
	Excellent Printability		
	Good Heat Seal		
	Good Processability		
	High Strength		
Uses	Blown Film		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (170°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Water Absorption (Equilibrium)	< 0.40	%	ASTM D570
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Break	25.0	MPa	
TD : Break	20.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	250	%	
TD : Break	350	%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	80.0	°C	ASTM D1525 ¹
Melting Temperature	110 to 150	°C	DSC
Optical	Nominal Value	Unit	Test Method
Yellowness Index	30	YI	ASTM D1925
NOTE			
1.	Rate B (120°C/h), Loading 1 (10 N)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

