

DM® BSR-09®

Biodegradable Polymers

Shanghai Disoxidation Enterprise Development Co., Ltd.

Message:

Developed for blown film applications, BSR-09® is a new kind of compostable resin made from renewable sources of agricultural origin. With similar technical and mechanical properties to that of conventional LDPE, BSR-09® ensures the quality of end products. BSR-09® is EN13432 certified and also complies with ASTM D6400, ISO17088:2088, GB/T20197 international standards for biodegradability.

The biodegradation rate of BSR-09® will reach 99% with the period of 90~180 days, giving the right composting condition, and converts into water and carbon dioxide.

General Information			
Features	Biodegradable		
	Compostable		
	Renewable Resource Content		
Uses	Blown Film		
Agency Ratings	ASTM D 6400		
	EN 13432		
Appearance	Yellow		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	1.20 to 1.30	g/cm ³	GB/T 1033
Melt Mass-Flow Rate (MFR)	2.0 to 5.0	g/10 min	ISO 1133
Moisture Content	< 1.0	%	Internal Method
Softening Point	> 80	°C	GB/T 1633
Biobased Content	> 90	%	Internal Method
Biodegradability	> 90	%	EN 13432
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	> 15.0	MPa	GB/T 1040
Tensile Elongation (Break)	> 350	%	GB/T 1040

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Recommended distributors for this material

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



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