

# DM® BSR-06®

Biodegradable Polymers

Shanghai Disoxidation Enterprise Development Co., Ltd.

## Message:

Having the same technical and mechanical properties as conventional polyethylene, BSR-06® is a bio-based product engineered for blown film applications. BSR-06® has been developed as a hybrid resin with use of raw materials from agricultural resources and polyethylene. With the same elongation and tensile strength of polyethylene, BSR-06® complies with ISO14855 standards which with good biodegradability. BSR-06® will be biodegraded more than 63% with the period of 90~180 days, breaking into non-toxic grains and continue decomposing in the earth.

General Information			
Features	Biodegradable		
	Compostable		
	Renewable Resource Content		
Uses	Blown Film		
Agency Ratings	ISO 14855		
Appearance	Yellow		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	1.05 to 1.18	g/cm³	GB/T 1033
Melt Mass-Flow Rate (MFR)	0.80 to 1.5	g/10 min	GB/T 3682
Moisture Content	< 1.0	%	Internal Method
Biobased Content	> 62	%	Internal Method
Biodegradability - 122 days	> 62	%	ISO 14855
Hexane Extraction	< 4.00		GB/T 5009
Starch Content	> 35	%	Internal Method
Tear Strength - Right Angle	> 40.0	MPa	GB/T 1040
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			GB/T 1040
Across Flow	25.6	MPa	
Flow	33.0	MPa	
Tensile Elongation			GB/T 1040
Across Flow : Break	560	%	
Flow : Break	380	%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	> 65.0	°C	GB/T 1633

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Recommended distributors for this material

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