

# MAGNUM™ MATT

ABS Resin

Trinseo

## Message:

MAGNUM™ MATT is an extrusion / thermoforming resin for applications requiring low gloss surface finish. It combines an excellent impact performance with good heat resistance. The mass (continuous process) ABS technology ensures an ABS resin that combines excellent processability with a stable light base colour that is ideal for self-colouring.

Applications:

Mono and co-extruded sheets with matt appearance

Thermoforming

Complies with:

Europe EU-Directive 2002/72/EC

Consult the regulations for complete details.

General Information			
UL YellowCard	E162447-100612322		
Features	Good Colorability		
	Good Processability		
	High Heat Resistance		
	High Impact Resistance		
	Low Gloss		
Uses	Sheet		
	Thermoforming Applications		
Appearance	Matte Finish		
Forms	Pellets		
Processing Method	Coextrusion		
	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm <sup>3</sup>	ISO 1183/B
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	6.5	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (3.20 mm, Injection Molded)	1650	MPa	ISO 527-2
Tensile Stress (Yield, 3.20 mm, Injection Molded)	30.0	MPa	ISO 527-2/50
Flexural Modulus (3.20 mm, Injection Molded)	1550	MPa	ISO 178
Flexural Stress (3.20 mm, Injection Molded)	40.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	16	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	100	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating <sup>1</sup>			UL 94
1.50 mm	HB		
3.00 mm	HB		
NOTE			

1.

This rating not intended to reflect hazards presented by this or any other material under actual fire conditions.

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#### Recommended distributors for this material

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