# **MAJORIS G357**

### Polypropylene

AD majoris

#### Message:

MAJORIS G357 is a special long glass fibre reinforced polypropylene grade, for injection moulding and extrusion. The long glass fibres, chemically coupled to the polypropylene matrix, are providing with outstanding mechanical properties. This product is UV stabilised. MAJORIS G357 is available in natural and other colours can be provided on request.

APPLICATIONS

MAJORIS G357 is intended for injection moulding of highly demanding technical applications.

The excellent properties of MAJORIS G357 make it suitable for:

Automotive parts for interior and exterior applications

MAJORIS G357 can substitute other engineering plastics or metal alloys in many applications.

Filler / Reinforcement   Long glass fiber     Additive   heat stabilizer     UV stabilizer   UV stabilizer     Features   Chemical coupling     Good UV resistance   Recyclable materials     Heat resistance, high   Thermal Stability     UVes   Metal substitution     Car interior parts   Automotive exterior parts     Automotive exterior parts   Stability     Forms   Particle     Processing Method   Strusion     Injection molding   Strusion     Physical   Normal Value   Inter     Modulas Strusikage   0.5   %     Modulas Strusikage   0.5   %     Modulas Strusikage   0.5   %     Tensile Modulus   0.30   MPa   505.27-2/50     Tensile Strusikage   0.2   %   505.27-2/50	General Information			
Uv stabilizerFeturesChenical coupling God UV resistance Recyclable materials Heat resistance, high Thermal StabilityUsesMela substitution Car interior parts Automotive exterior partsAppearanceAvailable colors Heat colorsProfessing MethodParticleProfessing MethodExtrusion Injection moldingPhysicalMenial ValuePhysicalNormal ValueMethodicalGron <sup>a</sup> Denity1.18MethodicalSocoraMethodicalSocoraMethodicalSocoraStabilitySocoraProfesing MethodExtrusion Injection moldingProfesing MethodNeminal ValueMethodicalSocoraStabilitySocoraMethodicalSocoraProfesing MethodIsiaDenity1.8MethodicalSocoraMethodica	Filler / Reinforcement	Long glass fiber		
Features   Chemical coupling     Good UV resistance     Recyclable materials     Heat resistance, high     Thermal Stability     Uses     Metal substitution     Car interior parts     Automotive exterior parts     Natural colors     Natural color     Processing Method     Processing Method     Density     Normal Value     Instruction     Automotive exterior     Projectal     Metrusion     Injection molding     Physical     Norminal Value     Valiable Colors     Natural color     Natural color     Vertusion     Injection molding     Physical     Physical     Nominal Value     Value     Validing Shrinkage     Odoling Shrinkage     Matinal Colors     Residence     Residence     Nerminal Value     Value     Mechanical     Norminal Value     National Conting     Sci	Additive	heat stabilizer		
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Forms   Particle     Processing Method   Extrusion     Injection molding   Injection molding     Physical   Nominal Value   Vnit     Density   1.18   g/cm³   ISO 1183     Molding Shrinkage   0.45   %      Mechanical   Nominal Value   Unit   Test Method     Tensile Modulus   8030   MPa   ISO 527-2/10	Appearance	Available colors		
Processing MethodExtrusion Injection moldingPhysicalNominal ValueUnitTest MethodPhysical1.18g/cm³ISO 1183Molding Shrinkage0.45%MechanicalNominal ValueUnitTest MethodTensile Modulus8030MPaISO 527-2/1Tensile Stress (Break)127MPaISO 527-2/150		Natural color		
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Molding Shrinkage0.45%MechanicalNominal ValueUnitTest MethodTensile Modulus8030MPaISO 527-2/1Tensile Stress (Break)127MPaISO 527-2/50	Physical	Nominal Value	Unit	Test Method
MechanicalNominal ValueUnitTest MethodTensile Modulus8030MPaISO 527-2/1Tensile Stress (Break)127MPaISO 527-2/50	Density	1.18	g/cm³	ISO 1183
Tensile Modulus     8030     MPa     ISO 527-2/1       Tensile Stress (Break)     127     MPa     ISO 527-2/50	Molding Shrinkage	0.45	%	
Tensile Stress (Break) 127 MPa ISO 527-2/50	Mechanical	Nominal Value	Unit	Test Method
	Tensile Modulus	8030	MPa	ISO 527-2/1
Tensile Strain (Break)2.2%ISO 527-2/50	Tensile Stress (Break)	127	MPa	ISO 527-2/50
	Tensile Strain (Break)	2.2	%	ISO 527-2/50

7100	MPa	ISO 178
Nominal Value	Unit	Test Method
		ISO 179/1eA
27	kJ/m²	ISO 179/1eA
24	kJ/m²	ISO 179/1eA
Nominal Value	Unit	Test Method
Pa,		
161	°C	ISO 75-2/B
145	°C	ISO 306/B
		ASTM D696
4.8E-5	cm/cm/°C	ASTM D696
3.6E-5	cm/cm/°C	ASTM D696
Nominal Value	Unit	
230 - 250	°C	
250 - 280	°C	
80.0 - 100	°C	
30.0 - 60.0	MPa	
Slow		
30 - 150	rpm	
	Nominal Value     27     24     Nominal Value     Pa,     161     145     4.8E-5     3.6E-5     Nominal Value     230 - 250     250 - 280     80.0 - 100     30.0 - 60.0     Slow	Nominal Value     Unit       27     kJ/m²       24     kJ/m²       24     kJ/m²       Nominal Value     Unit       Pa,     161     °C       145     °C        4.8E-5     cm/cm/°C        3.6E-5     cm/cm/°C        230 - 250     °C        230 - 250     °C        30.0 - 100     °C        Slow

Holding pressure: 50 to 70% of the injection pressureBack pressure: as low as possible, 0 to 10%Holding time: as long as practical

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## 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

