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			
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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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