

# MAJORIS DG347 - 7782

Polypropylene

AD majoris

## Message:

DG347 - 7782 is a 30% chemically coupled glass fibre reinforced polypropylene compound intended for injection moulding.

The product is available in natural, but other colours can be provided on request.

DG347 - 7782 has been developed especially for demanding applications in various engineering sectors.

DG347 - 7782 has very high stiffness, high impact strength, good dimensional stability and good resistance also at high temperatures. The product is UV stabilised.

## APPLICATIONS

Product requiring high service temperature and extremely high mechanical strength, such as:

Electrical appliances

Exterior parts

Technical components

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	UV stabilizer		
Features	Good dimensional stability		
	Rigidity, high		
	High strength		
	Chemical coupling		
	Impact resistance, high		
	Good UV resistance		
	Recyclable materials		
Uses	Heat resistance, high		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
Appearance			
	Available colors		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage	0.50 - 0.70	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	79		ISO 868
Mechanical	Nominal Value	Unit	Test Method

Tensile Stress (Yield)	82.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	2.5	%	ISO 527-2/50
Flexural Modulus	5500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	7.0	kJ/m <sup>2</sup>	ISO 179/1eA
23°C	10	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	39	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	159	°C	ISO 75-2/B
1.8 MPa, not annealed	145	°C	ISO 75-2/A
Vicat Softening Temperature			
--	164	°C	ISO 306/A50
--	135	°C	ISO 306/B50
Ball Pressure Test (150°C)	Pass		NF C 61-303
CLTE - Flow	3.0E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	750	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Processing (Melt) Temp	210 - 260	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Moderate		
Injection instructions			

Holding pressure: 50 to 70% of the injection pressure

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### 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

