

# MAJORIS DC407 - 7782

Polypropylene

AD majoris

## Message:

DC407 - 7782 is a grey, 40% mineral filled polypropylene compound intended for injection moulding.  
The product is available in natural (DC407) and black (DC407 - 8229) but other colours can be supplied on request.  
DC407 - 7782 is intended for component, which require very good surface quality, rigidity, low shrinkage and high dimensional stability. The product is UV stabilised for external applications.

### APPLICATIONS

- Electrical parts
- Lighting parts
- Household articles
- Technical components

General Information			
Filler / Reinforcement	Mineral filler, 40% filler by weight		
Additive	UV stabilizer		
Features	Good dimensional stability		
	Rigidity, high		
	Good UV resistance		
	Recyclable materials		
	Low shrinkage		
	Good appearance		
	Excellent appearance		
Uses	Lighting Applications		
	Electrical components		
	Household goods		
Appearance	Black		
	Grey		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ISO 1133
Molding Shrinkage	0.80 - 1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	24.0	MPa	ISO 527-2/50

Tensile Strain (Break)	78	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	2350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	30	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	59.0	°C	ISO 75-2/A
Vicat Softening Temperature	97.0	°C	ISO 306/B
CLTE - Flow	5.5E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	220 - 260	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			
Holding pressure: 50 to 70% of the injection pressure			
NOTE			
1.	2.0 mm/min		

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#### Recommended distributors for this material

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