

MAJORIS DEG284

Polypropylene
AD majoris

Message:

DEG284 is a 20% glass fibre reinforced polypropylene compound with very high impact property, intended for injection moulding. DEG284 has been developed especially for demanding applications in automotive industry and various engineering sectors.

APPLICATIONS

- Electrical parts
- Business equipment
- Automotive parts

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Impact resistance, high		
	Recyclable materials		
Uses	Electrical components		
	Application in Automobile Field		
	Business equipment		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2050	MPa	ISO 527-2/2
Tensile Stress (Yield)	38.0	MPa	ISO 527-2/50
Tensile Strain (Break)	13	%	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Flexural Stress	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	40	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	83	kJ/m²	ISO 179/1eU
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
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

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