

MAJORIS DEG387 - 8651

Polypropylene

AD majoris

Message:

DEG387-8651 is a 30% glass fibre reinforced polypropylene compound with very high impact property, soft touch, UV stabilization, intended for injection moulding.

DEG387-8651 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, 30% filler by weight		
Additive	Impact modifier UV stabilizer		
Features	Impact modification Impact resistance, high Good UV resistance Recyclable materials Soft		
Uses	Electrical components Application in Automobile Field Business equipment		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	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	2080	MPa	ISO 527-2/1
Tensile Stress (Yield)	31.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	14	%	ISO 527-2
Flexural Modulus	1840	MPa	ISO 178
Flexural Stress	44.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	37	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	76	kJ/m ²	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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