

MAJORIS HG264 - 1298

Polypropylene

AD majoris

Message:

HG264 - 1298 is a 20% glass fibre reinforced polypropylene compound intended for injection moulding.

HG264 - 1298 has high rigidity and impact strength, very good long term heat resistancy, good dimensional stability and good creep resistancy also at high temperatures.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	Impact resistance, high		
	Recyclable materials		
	Good creep resistance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	24	g/10 min	ISO 1133
Molding Shrinkage	0.90 - 1.1	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4840	MPa	ISO 527-2/1
Tensile Stress (Break)	61.5	MPa	ISO 527-2/50
Tensile Strain (Break)	4.2	%	ISO 527-2/50
Flexural Modulus	3640	MPa	ISO 178
Flexural Stress	103	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	47	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	150	°C	ISO 75-2/B
1.8 MPa, not annealed	128	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 - 260	°C	
Mold Temperature	30.0 - 60.0	°C	

Injection Rate	Slow-Moderate
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Injection instructions

Holding pressure: 50 to 70% of the injection pressure

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