

MAJORIS EW304 - 8229

Polypropylene

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Message:

EW304 - 8229 is a 30% chemically coupled glass fibre/mineral reinforced polypropylene compound intended for injection moulding.

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

EW304 - 8229 has been developed especially for the automotive and electrical applications.

EW304 - 8229 has high stiffness, high impact strength, and good dimensional stability also at high temperatures.

APPLICATIONS

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

Air filter cases

Electrical applications

Technical components

General Information			
Filler / Reinforcement	Glass \mineral, 30% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	High strength		
	Chemical coupling		
	Impact resistance, high		
	Recyclable materials		
Uses	Electrical/Electronic Applications		
	Application in Automobile Field		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage	0.40 - 0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	91.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	2.7	%	ISO 527-2/50
Flexural Modulus ¹	5300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	48	kJ/m ²	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
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	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	210 - 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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