

MAJORIS EWR300 - 8229

Polypropylene

AD majoris

Message:

EWR300 - 8229 is a 30% chemically coupled glass fibre/mineral reinforced polypropylene compound intended for injection moulding.

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

EWR300 - 8229 has been developed especially for demanding applications in various engineering sectors and alternative to EW300 - 8229.

EWR300 - 8229 has high rigidity and impact strength, good dimensional stability and good creep resistancy also at high temperatures. This product fulfil norm RoHS.

APPLICATIONS

Product requiring high overall mechanical performance such as:

Electrical tool and appliance components

Miscellaneous technically items

Automotive parts

Can suitably be made from EWR300 - 8229.

General Information			
Filler / Reinforcement	Glass \mineral, 30% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	Chemical coupling		
	Impact resistance, high		
	Recyclable materials		
Uses	Good creep resistance		
	Electrical/Electronic Applications		
	Power/other tools		
	Home appliance components		
	Application in Automobile Field		
RoHS Compliance	RoHS compliance		
Appearance	Black		
	Available colors		
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)	8.0 - 14	g/10 min	ISO 1133
Molding Shrinkage	0.40 - 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	50.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.5	%	ISO 527-2/50

Flexural Modulus ¹	5200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	148	°C	ISO 75-2/B
1.8 MPa, not annealed	135	°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	230 - 270	°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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