MAJORIS EG204

Polypropylene

AD majoris

Message:

EG204 is a 20% chemically coupled glass fibre reinforced polypropylene compound intended for injection moulding.
The product is available in natural, but other colours can be provided on request.
EG204 has been developed especially for demanding applications in automotive industry and various engineering sectors.
EG204 has high rigidity, good dimensional stability and good creep resistancy also at high temperatures. It has high flow rate and very good process ability.
APPLICATIONS
Product requiring high service temperature and extremely high mechanical strength such as:
Sockets and junction boxes for electrical industry
Electrical tool and appliance components
Miscellaneous technically items
Air filters
Car grilles
Lamp housing
Can suitably be made from EG204.

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight
Additive	heat stabilizer
Features	Good dimensional stability Rigidity, high High strength Chemical coupling Recyclable materials Workability, good Good creep resistance High liquidity Heat resistance, high Thermal Stability
Uses	Electrical/Electronic Applications Power/other tools Filter Home appliance components Application in Automobile Field Shell
Appearance	Available colors Natural color
Forms	Particle

Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.04	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage	0.90 - 1.1	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	4600	MPa	ISO 527-2/1
Tensile Stress (Yield)	65.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	4.0	%	ISO 527-2/50
Flexural Modulus [1]	3650	MPa	ISO 178
Flexural Stress	96.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	5.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	31	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	145	°C	ISO 75-2/B
1.8 MPa, not annealed	135	°C	ISO 75-2/A
Thermal Stability (150°C)	> 1.4	month	
Emission	35.0	µgC/g	VDA 277
Flammability	**Nominal Value**		**Test Method**
Flame Rating	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	230 - 270	°C	
Mold Temperature	30.0 - 70.0	°C	
Injection Rate	Slow-Moderate		
Injection instructions			
Holding pressure: 50 to 70% of the injection pressure			
NOTE			
1.	2.0 mm/min		

Recommended distributors for this material

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