MAJORIS EEG204 - 8229

Polypropylene

AD majoris

Message:

EEG204-8229 is a 20% chemically coupled glass fibre reinforced polypropylene compound intended for injection moulding.
EEG204-8229 has been developed especially for demanding applications in automotive industry and various engineering sectors.
EEG204-8229 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

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight
Features	Good dimensional stability Rigidity, high High strength Chemical coupling Recyclable materials Workability, good Good creep resistance High liquidity
Uses	Electrical/Electronic Applications Power/other tools Filter Home appliance components Application in Automobile Field Shell
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			
Vertical flow direction	0.95	%	
Flow direction	0.39	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3300	MPa	ISO 527-2/1
Tensile Stress (Yield)	64.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	4.4	%	ISO 527-2/50
Flexural Modulus [1]	3550	MPa	ISO 178
Flexural Stress	102	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	10	kJ/m^2	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	42	kJ/m^2	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	162	°C	ISO 75-2/B
1.8 MPa, not annealed	134	°C	ISO 75-2/A
Flammability	**Nominal Value**		**Test Method**
Flame Rating	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	220 - 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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China