MAJORIS FW214 - 8229

Polypropylene

AD majoris

Message:

FW214 - 8229 is a 20% glass/mineral reinforced polypropylene compound intended for injection moulding.
The product is available in both black (FW214 - 8229) and natural (FW214) but other colours can be provided on request.
FW214 - 8229 has been developed especially for the automotive applications and electrical components.
APPLICATIONS
Products requiring very good long term heat resistance, high heat distortion temperature, excellent rigidity, low shrinkage and high dimensional stability can suitably be made from FW214 - 8229.
Air blower wheel
Miscellaneous technical components
Electrical parts

General Information			
Filler / Reinforcement	Glass \mineral, 20% filler by weight		
Additive	heat stabilizer		
Features	Good dimensional stability Rigidity, high Recyclable materials Heat resistance, high Thermal Stability Low shrinkage		
Uses	Electrical components		
Appearance	Black Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage	0.80	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	51.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.0	%	ISO 527-2/5
Flexural Modulus [1]	3200	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	4.0	kJ/m²	ISO 179/1eA

23°C	5.0	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	155	°C	ISO 75-2/B
1.8 MPa, not annealed	129	°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	220 - 270	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Moderate		
Injection instructions			
Holding pressure: 50 to 70% of the injection pressure			
NOTE			
1.	2.0 mm/min		

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