

MAJORIS FFRW358HT - 1298

Polypropylene

AD majoris

Message:

FFRW358HT - 1298 is a very low halogen flame retardant compound glass fibre/mineral reinforced UL 94 V2 intended for injection moulding. The product is available in natural (FFRW 358HT) but other colours can be supplied on request.

FFRW358HT - 1298 produces very low level of toxicity and low smoke density in the case of a fire. The product is antistatic.

APPLICATIONS

FFRW358HT - 1298 has been developed especially for very demanding applications in automotive industry and electrical parts (conform 2002/95/EC, RoHS directive).

Sockets

Electrical parts

Miscellaneous technical components

General Information			
Filler / Reinforcement	Glass \Mineral		
Additive	Antistatic property		
	Flame retardancy		
Features	Low Halogen Content		
	Low smoke		
	Low toxicity		
	Antistatic property		
	Recyclable materials		
	Flame retardancy		
Uses	Electrical components		
	Application in Automobile Field		
RoHS Compliance	RoHS compliance		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	0.80 - 1.0	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4260	MPa	ISO 527-2/1
Tensile Stress (Yield)	41.0	MPa	ISO 527-2/50

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	29	kJ/m ²	ISO 179
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-2		UL 94
Glow Wire Flammability Index (1.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	200 - 240	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			

Holding pressure: 50 to 70% of the injection pressure

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