MAJORIS GC118 - 1517-01

Polypropylene

AD majoris

Message:

GC118 - 1517-01 is a white, 17% mineral filled polypropylene compound intended for injection moulding.
The product is available in natural (GC118) and black (GC118 - 8229) but other colours can be supplied on request.
The good flow ability of GC118 - 1517-01 makes it very easy to process even for complicated parts. The material displays excellent gloss, very low dust pick up and high heat stabilised.
GC118 - 1517-01 is intended for component, which require very good surface quality, rigidity, good impact, low shrinkage and high dimensional stability.
APPLICATIONS
Electrical appliances
Household articles
Technical components

General Information	
Filler / Reinforcement	Mineral filler, 17% filler by weight
Additive	heat stabilizer
Features	Good dimensional stability Highlight Impact resistance, good Recyclable materials Workability, good Good liquidity Heat resistance, high Thermal Stability Low shrinkage Good appearance Excellent appearance Medium hardness
Uses	Electrical/Electronic Applications Electrical appliances Household goods
Appearance	White Black Available colors Natural color
Forms	Particle
Processing Method	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm³	ISO 1183

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	73		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1950	MPa	ISO 527-2/50
Tensile Stress			ISO 527-2/50
Yield	30.0	MPa	ISO 527-2/50
Fracture	26.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	6.0	%	ISO 527-2/50
Fracture	17	%	ISO 527-2/50
Flexural Modulus [1]	2000	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	2.0	kJ/m^2	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	107	°C	ISO 75-2/B
1.8 MPa, not annealed	57.0	°C	ISO 75-2/A
Flammability	**Nominal Value**		**Test Method**
Flame Rating	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	220 - 260	°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		

Recommended distributors for this material

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