MAJORIS AG200

Polypropylene

AD majoris

Message:

AG200 is a 20% chemically coupled glass fibre reinforced polypropylene compound intended for extrusion profile and blow moulding.
The product is available in natural, but other colours can be provided on request.
AG200 has been developed especially for demanding applications in various engineering sectors.
AG200 has high rigidity and impact strength, very good long term heat resistancy, good dimensional stability and good creep resistancy also at high temperatures.
APPLICATIONS
AG200 is recommended for the extrusion of profiles (automotive parts, building, electrical, furniture and construction profiles or pipes).

General Information	
Filler / Reinforcement	Glass Fiber,20% Filler by Weight
Features	Chemically Coupled Good Creep Resistance Good Dimensional Stability High Heat Resistance High Impact Resistance High Rigidity Recyclable Material
Uses	Automotive Applications Building Materials Construction Applications Electrical/Electronic Applications Furniture Piping Profiles
Appearance	Colors Available Natural Color
Forms	Pellets
Processing Method	Blow Molding Extrusion Pipe Extrusion Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm³	ISO 1183

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.70	g/10 min	ISO 1133
Molding Shrinkage	0.90 to 1.1	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	76.0	MPa	ISO 527-2/50
Tensile Strain (Break)	5.0	%	ISO 527-2/50
Flexural Modulus [1]	4300	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	13	kJ/m^2	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	38	kJ/m^2	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	141	°C	ISO 75-2/B
1.8 MPa, Unannealed	132	°C	ISO 75-2/A
Flammability	**Nominal Value**		**Test Method**
Flame Rating	HB		UL 94
Extrusion	**Nominal Value**	**Unit**	
Cylinder Zone 1 Temp.	220	°C	
Cylinder Zone 2 Temp.	220	°C	
Cylinder Zone 3 Temp.	230	°C	
Cylinder Zone 4 Temp.	240	°C	
Melt Temperature	210 to 240	°C	
Head Temperature	240	°C	
Die Temperature	230	°C	
NOTE			
1.	2.0 mm/min		

Recommended distributors for this material

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