MAJORIS CT403 - 8229

Polypropylene

AD majoris

Message:

CT403 - 8229 is a black polypropylene 40% mineral filled polypropylene compound intended for injection moulding.
The product is available in natural CT403 but other colours can be provided on request.
CT403 - 8229 is intended for components which require for the white good industry especially for applications requiring high detergent resistance and heat stability, good rigidity, low shrinkage, noice and vibration absorption and good dimensional stability.
APPLICATIONS
Automotive interior parts
Washing machine parts
Dishwasher components

General Information	
Filler / Reinforcement	Mineral filler, 40% filler by weight
Features	Good dimensional stability Shock absorption Noise reduction Recyclable materials Detergent resistance Thermal stability, good Low shrinkage Medium hardness
Uses	Large household appliances and small household appliances Home appliance components Car interior parts
Appearance	Black Available colors Natural color
Forms	Particle
Processing Method	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ISO 1133
Molding Shrinkage	0.60 - 1.0	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	31.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/50
Flexural Modulus [1]	3650	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m²	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	131	°C	ISO 75-2/B
CLTE - Flow	5.5E-5	cm/cm/°C	ISO 11359-2
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 - 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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