

# MAJORIS CE220 - 1355

Polypropylene

AD majoris

## Message:

CE220 - 1355 is a mineral/elastomer reinforced polypropylene compound intended for injection moulding.

CE220 - 1355 has been developed especially for the car industry, to be used in interior parts and electrical applications, conform to RoHS norm (2002/95/EC).

The product is available in black (CE220 - 8229) and natural (CE220) but other colours can be provided on request.

CE220 - 1355 has a very easy flowing and excellent mechanical properties.

## APPLICATIONS

Interior panels

Dashboard

Consoles

Door panels and pockets

Electrical appliances

Household articles

General Information			
Filler / Reinforcement	Mineral		
Additive	Impact Modifier		
Features	Good Flow		
	Impact Modified		
	Recyclable Material		
Uses	Appliances		
	Automotive Applications		
	Automotive Electronics		
	Automotive Interior Parts		
	Household Goods		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	6.0	g/10 min	
230°C/5.0 kg	27	g/10 min	
Molding Shrinkage	0.90 to 1.2	%	
Hardness	Nominal Value	Unit	Test Method

Shore Hardness (Shore D)	69		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1900	MPa	ISO 527-2
Tensile Stress (Yield)	31.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	2300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	4.5	kJ/m <sup>2</sup>	
23°C	11	kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	41	kJ/m <sup>2</sup>	
23°C	110	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	116	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	153	°C	ISO 306/A
--	77.0	°C	ISO 306/B
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 to 260	°C	
Mold Temperature	30.0 to 60.0	°C	
Injection Rate	Slow-Moderate		
NOTE			
1.	2.0 mm/min		

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