

# MAJORIS EE165 - 1791

Polypropylene

AD majoris

## Message:

EE165 - 1791 is a 15% mineral filled polypropylene elastomer modified compound intended for injection moulding.

EE165 - 1791 has been developed especially for the automotive interior parts, requiring good impact strength/stiffness, very good scratch resistance and UV resistance.

The product is available in natural (EE165) and black (EE165-8229) but other colours can be provided on request.

## APPLICATIONS

Automotive interior parts

General Information			
Filler / Reinforcement	Mineral filler, 15% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
	Rigid, good		
	Impact resistance, good		
	Good UV resistance		
	Recyclable materials		
	Scratch resistance		
Uses	Car interior parts		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage	0.90 - 1.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1750	MPa	ISO 527-2/1
Tensile Stress (Yield)	20.0	MPa	ISO 527-2/50
Flexural Modulus <sup>1</sup>	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1A
0°C	6.0	kJ/m <sup>2</sup>	ISO 179/1A
23°C	25	kJ/m <sup>2</sup>	ISO 179/1A
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, not annealed	94.0	°C	ISO 75-2/B
1.8 MPa, not annealed	53.0	°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		

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