



## ARISA-CM78

Mineral Filled Polypropylene

### Arisa Baspar Pars

#### Product Description

ARISA-CM78 is co-polypropylene offer an excellent impact resistance, good mechanical properties and high thermal resistance. This grade is widely used in automotive applications, especially hubcap. It is designed to be processed in conventional injection moulding process.

#### Characteristics

- **Material Status:** Commercial: Active
- **Form:** Pellets
- **Color:** Natural
- **Filler/Reinforcement:** Mineral Filler
- **Processing Method:** Injection moulding

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>Mechanical properties</b>			
<b>Tensile</b>			
Tensile modulus	1800	MPa	ISO 527/1A
stress at yield	33	MPa	ISO 527/1A
stress at break	25	MPa	ISO 527/1A
strain at yield	11	%	ISO 527/1A
strain at break	40		
<b>Flexural test</b>			
Flexural modulus	NA	MPa	ISO 178/1A
<b>Izod impact notched</b>			
at 23 °C	14	kJ/m <sup>2</sup>	ISO 180/1A
at 0 °C	NA	kJ/m <sup>2</sup>	ISO 180/1A
at -20 °C	NA	kJ/m <sup>2</sup>	ISO 180/1A

## Thermal properties

### Heat deflection temperature

at 0.45 MPa (HDT/B) 130 °C ISO 75

### Vicat Softening temperature

NA °C ISO 306

## Polymer properties

### Melt flow rate (MFR)

at 230 °C and 2.16 kg 10 g/10min ISO 1133

### Density

0.94 g/cm<sup>3</sup> ISO 1133

### Filler content

5 %

### Mould shrinkage

24 hours after injection moulding 1.2-1.4 %

### Hardness

Shore D 65 ISO 868