



## ARISA-CM42

Mineral Filled Polypropylene

### Arisa Baspar Pars

#### Product Description

ARISA-CM42 is a co-polypropylene with good combination of stiffness, hardness and heat resistance. It also provides good impact resistance and reasonable flow characteristics for most injection moulded parts. This compound is used in automotive applications, especially battery.

#### Characteristics

- **Material Status:** Commercial: Active
- **Form:** Pellets
- **Color:** Black
- **Reinforcement:** No Filler
- **Processing Method:** Injection moulding

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>Mechanical properties</b>			
<b>Tensile</b>			
Tensile modulus	1000	MPa	ISO 527/1A
stress at yield	25	MPa	ISO 527/1A
stress at break	19.2	MPa	ISO 527/1A
strain at break	21	%	ISO 527/1A
<b>Flexural test</b>			
Flexural modulus	900	MPa	ISO 178/1A
<b>impact</b>			
<b>Izod impact notched</b>			
at 23 °C	16	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
<b>Thermal properties</b>			

<b>Heat deflection temperature</b> at 0.45 MPa (HDT/B)	94	°C	ISO 75
<b>Vicat Softening Temperature</b> B(50N)	146	°C	ISO 306

### Polymer properties

<b>Melt flow rate (MFR)</b> at 230 °C and 2.16 kg	7	g/10min	ISO 1133
<b>Density</b>	0.91	g/cm <sup>3</sup>	ISO 1133
<b>Mould shrinkage</b>  24 hours after injection moulding	NA	%	
<b>Hardness</b>  Shore D	65		ISO 868