



ARISA-CM22

Mineral Filled Polypropylene

Arisa Baspar Pars

Product Description

ARISA-CM22 is co-polypropylene filled with mineral fillers offering high impact strength and appropriate toughness. Addition of filler improves stiffness, hardness and heat resistance. This compound is used in automotive applications especially bumper parts and other utility products. This grade is designed to be processed in injection moulding process.

Characteristics

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

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Mechanical properties			
Tensile			
Tensile modulus	1200	MPa	ISO 527/1A
stress at yield	18	MPa	ISO 527/1A
stress at break	15	MPa	ISO 527/1A
strain at break	200	%	ISO 527/1A
Flexural test			
Flexural modulus	1300	MPa	ISO 178/1A
Izod impact notched			
at 23 °C	14	kJ/m ²	ISO 180/1A
at 0 °C	NA	kJ/m ²	ISO 180/1A
at -20 °C	NA	kJ/m ²	ISO 180/1A

Thermal properties

Heat deflection temperature

at 0.45 MPa (HDT/B)	100	°C	ISO 75
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Polymer properties

Melt flow rate (MFR)

at 230 °C and 2.16 kg	8.5	g/10min	ISO 1133
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Density	0.96	g/cm ³	ISO 1133
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Mould shrinkage

24 hours after injection moulding	1.1	%	
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Hardness

Shore D	60		ISO868
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