



ARISA-CM42

Mineral Filled Polypropylene

Arisa Baspar Pars

Product Description

ARISA-CM42 is mineral filled co-polypropylene. Addition of filler improves 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:** Mineral Filler
- **Processing Method:** Injection moulding

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Mechanical properties			
Tensile			
Tensile modulus	1000	MPa	ISO 527/1A
stress at yield	23	MPa	ISO 527/1A
stress at break	17	MPa	ISO 527/1A
strain at break	100	%	ISO 527/1A
Flexural test			
Flexural modulus	1000	MPa	ISO 178/1A
impact			
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)	95	°C	ISO 75
Vicat Softening Temperature			
B(50N)	138	°C	ISO 306
Polymer properties			
Melt flow rate (MFR)			
at 230 °C and 2.16 kg	8.5	g/10min	ISO 1133
Density	1.0	g/cm ³	ISO 1133
Mould shrinkage			
24 hours after injection moulding	NA	%	
Hardness			
Shore D	65		ISO 868