

Product Texts

Alternative for aluminium- and zinc diecast alloys.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	9 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	17500 / 16500	MPa	ISO 527
Stress at break	250 / 220	MPa	ISO 527
Strain at break	3 / 3	%	ISO 527
Flexural modulus, 23°C	16400 / -	MPa	ISO 178
Flexural strength	380 / -	MPa	ISO 178
Charpy impact strength, +23°C	105 / 100	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	95 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	17 / 17	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	15 / -	kJ/m ²	ISO 179/1eA
Ball indentation hardness	290 / -	MPa	ISO 2039-1

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	255 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	225 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	245 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	242 / *	°C	ISO 306
Coeff. of linear therm. expansion, parallel	15 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	65 / *	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-
Glow Wire Flammability Index (GWFI)	700	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.6	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	4.42 / -	-	IEC 62631-2-1
Comparative tracking index	600 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	4 / *	%	Sim. to ISO 62
Density	1590 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	320	°C	-
Mold temperature	100	°C	-
Injection pressure	75	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe, Asia Pacific

Delivery form

Black