

Product Texts

Alternative for aluminium- and zinc diecast alloys.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	13000 / 12000	MPa	ISO 527
Stress at break	230 / 200	MPa	ISO 527
Strain at break	3 / 3	%	ISO 527
Flexural modulus, 23°C	12000 / -	MPa	ISO 178
Flexural strength	325 / -	MPa	ISO 178
Charpy impact strength, +23°C	95 / 90	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	80 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	14 / 14	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	13 / -	kJ/m ²	ISO 179/1eA
Ball indentation hardness	265 / -	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	220 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	245 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	15 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	70 / *	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Comparative tracking index	600 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	4.5 / *	%	Sim. to ISO 62
Density	1480 / -	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