

Product Texts

Alternative for zinc- and aluminium diecast alloys.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.3 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	22000 / 21000	MPa	ISO 527
Stress at break	270 / 220	MPa	ISO 527
Strain at break	2.4 / 2.4	%	ISO 527
Flexural modulus, 23°C	21000 / -	MPa	ISO 178
Flexural strength	410 / -	MPa	ISO 178
Charpy impact strength, +23°C	100 / 100	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	95 / 95	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	19 / 19	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	18 / 18	kJ/m ²	ISO 179/1eA

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	245 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	193 / *	°C	ISO 75-1/-2

Other properties	dry / cond	Unit	Test Standard
Density	1690 / -	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

Certifications

Drinking water contact, Drinking water contact NSF 61

Delivery form

Black

Regional Availability

Europe, Asia Pacific