

Technical Data Sheet

ALTECH ABS A 3030/576 GB30 AS

Polymeric basis:	acrylonitrile-butadiene-styrene-copolymer (ABS)
Filler / Additive system:	30% glass beads
Processing:	injection moulding (T _{mass} : 220 - 260 °C, T _{mould} : 60 - 80 °C)
Special properties:	antistatic
Typical applications:	

Properties	Test figures	Units	Standards
Physical properties			
Density	1.26	g/cm ³	ISO 1183
Mechanical properties *			
Tensile modulus	2,300	MPa	DIN EN ISO 527
Tensile stress at break	25	MPa	DIN EN ISO 527
Tensile strain at break	7.3	%	DIN EN ISO 527
Flexural modulus	2,900	MPa	DIN EN ISO 178
Flexural strength	55	MPa	DIN EN ISO 178
Charpy impact strength (23°C)	23	kJ/m ²	DIN EN ISO 179/1eU
Charpy notched impact strength (23°C)	5.,5	kJ/m ²	DIN EN ISO 179/1eA
Ball indentation hardness (358/30)	105	MPa	DIN EN ISO 2039-1
Thermal properties			
Heat deflection temperature HDT A (1.8 MPa)	79	°C	DIN EN ISO 75
Vicat softening point VST B/50	97	°C	DIN EN ISO 306
Further properties			
Melt volume rate MVR (220/10)	25	cm ³ /10 min	DIN ISO 1133

* testing on unconditioned test specimen (dry as moulded)

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