

Technical Data Sheet



ALTECH ABS A 3230/516 GK20 GF10

MOCOM

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Delivery form	pellets
Filler/Additive System	30 % glass fibres / glass beads
Colour	black
Special Features	impact modified,high stiffness,processing stabilised
Market Segment	various
Application Area	various,injection moulded parts
Typical Applications	various

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-4 h 80 °C in an air circulating dryer for 3-6 h dependant on moisture content max. moisture content <0,20 %
-----------------------	--

Processing Injection Moulding	melt temperature 220-260 °C mould temperature 50-80 °C
-------------------------------	---

Storage	dry, protected from light
---------	---------------------------

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	4000	MPa	ISO 178
Flexural Strength	62	MPa	ISO 178
Tensile Modulus	3300	MPa	ISO 527
Tensile Strength at Break	39	MPa	ISO 527
Tensile Elongation at Break	1.7	%	ISO 527
Impact Strength (Charpy, 23°C)	13	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2.5	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness H358/30	97	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	93	°C	ISO 306
HDT / A (1,8 MPa)	85	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	11	cm ³ /10min	ISO 1133
MVR temperature	220	°C	-
MVR load	10	kg	-
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.3 - 0.5	%	ISO 294-4
Physical Properties			
Density	1260	kg/m ³	ISO 1183