

Technical Data Sheet

Altech[®] ECO

MOCOM

ALTECH ABS ECO 2017/500 GF17

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Filler/Additive System	17 % glass fibres
Application Area	injection moulded parts

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-4 h 80 °C in an air circulating dryer for 3-8 h dependant on moisture content max. moisture content <0,05 %
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	5400	MPa	ISO 178
Flexural Strength	96	MPa	ISO 178
Tensile Modulus	5400	MPa	ISO 527
Tensile Strength at Break	72	MPa	ISO 527
Tensile Elongation at Break	1.6	%	ISO 527
Impact Strength (Charpy, 23°C)	13	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	101	°C	ISO 306
Rheological Properties			
Melt Index (MVR)	15	cm ³ /10min	ISO 1133
MVR temperature	220	°C	-
MVR load	10	kg	-
Physical Properties			
Density	1160	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	1.25	kg CO ₂ eq./kg	ISO 14040, 14044