

Technical Data Sheet



**ALCOLOR Function ABS IM LS A WT3056-10**

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Filler/Additive System	Laser sensitive additive
Colour	white, similar to RAL 9003
Thermal Stability Colourant	280 °C max.
Light Fastness Colourant	blue woolscale 8
For use in	Acrylonitrile/Butadiene/Styrene/Copolymer
Special Features	laser etchable (dark etching), impact modified, high additive content, free from cadmium, lead and diarylide pigments, dust-free, high dispersibility, high additive content
Market Segment	Automotive, Machinery, electrical and electronic, Furniture, building and construction, sport and leisure
Application Area	injection moulded parts, extruded parts, compounding

Dosage	9,0 % extrusion 9,0 % injection moulding dependant on wall thickness and required colour intensity dependant on application and operational area
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 max. moisture content <0,10 %
Processing Injection Moulding	melt temperature 220-260 °C mould temperature 50-80 °C
Storage	dry, protected from light not above 30°C tightly sealed

<b>Properties</b>	<b>Value</b>	<b>Dimension</b>	<b>Test Norm</b>
<b>Thermal Properties</b>			
DSC (Glass Transition Point)	104	°C	ISO 11357
<b>Rheological Properties</b>			
Melt Index (MVR)	430	cm <sup>3</sup> /10min	ISO 1133
MVR temperature	220	°C	-
MVR load	10	kg	-
<b>Physical Properties</b>			
Density	1080	kg/m <sup>3</sup>	ISO 1183