

Product Description

20% Glass Fiber, UV Resistant, ABS

General Considerations

Resin ID (ISO 1043)	· >ABS-GF20<	
Additive	· UV Resistant	
Processing	· Injection Molding	· Extrusion
Color	· Black	

- The information below is for informational purposes only and should not be adopted as specification limits.

Physical	Value	Unit	Method
Density / Specific Gravity	1,17	g/cm ³	ASTM D 792/A
Mold Shrinkage	0,1 to 0,2	%	ASTM D 1238
Water Absorption	0,15	%	ASTM D 570

Mechanical	Value	Unit	Method
Tensile Strength	78	MPa	ASTM D 638
Elongation at Break	5	%	ASTM D 638
Flexural Strength	114	MPa	ASTM D 790
Flexural Modulus	5700	MPa	ASTM D 790
Izod Notched Impact Strength		J/m	ASTM D 256
23°C	60		
Izod Unnotched Impact Strength		J/m	ASTM D 256
23°C	248		
Hardness, Rockwell R	102	Scale R	ASTM D785

Thermal	Value	Unit	Method
Heat Deflection Temperature		°C	ASTM D 648
0,42 MPa	99		
1,80 MPa	93		

Flammability	Value	Unit	Method
Flammability (3,2mm)	HB	--	UL-94

Process	Value	Unit	Method
Molding Process Temperature	215 to 240	°C	--
Mold Temperature	60 to 90	°C	--
Drying	70 to 90/3 to 5	°C/Hours	--

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