

FCFC

Acrylonitrile Butadiene Styrene - ABS

AG10NP

Super High Impact / Extrusion / High Rigid


MELT INDEX 6.5

FORMOSA CHEMICAL & FIBER CORP, TAIWAN – TAIRILAC ABS AG10NP is the Super High Impact / Extrusion / High Rigid.

Suggested Applications: Crash Helmets, Extrusion Products, Pipes.

Physical Properties	Unit	Test Method	Value
Tensile Strength (at 23°C)	kg/cm ² (MPa)	ASTM D638 (ISO527)	490 (48)
Flexural Strength (at 23oC)	kg/cm2 (MPa)	ASTM D790 (ISO178)	740 (73)
Flexural Modulus (at 23oC)	kg/cm2 (MPa)	ASTM D790 (ISO178)	25,000 (2,450)
Rockwell Hardness (at 23oC)	-	ASTM D785 (ISO2039/2)	R-102
Izod Impact Strength (at 23oC)	kg-cm/cm (J/m)	ASTM D256 (ISO R180)	46 (451)
Vicat Softening Point (1kg load)	°C	ASTM D1525	107
Heat Deflection Temperature Unannealed (18.6 kg/cm ²) Annealed (8°C X 8hr)	°C	ASTM D648	92 104
Melt Flow Index 220 oC X 10 kgf (98N)	g/10min.	ASTM D1238	6.5
Molding Shrinkage (23 °C)	%	FCFC Method	0.4~0.7
Specific Gravity (23 °C/23 °C)	-	ASTM D 792 (ISO 1183)	1.04
Flammability (File No. E162823)	-	UL-94	1/16" HB

1. These are typical properties : not to be construed as specification.
2. The value for this property is dependent on part geometry and fabrication conditions.

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