

BM662

Blow Molding

Description

- Blow Molding, Heat Resistance

Applications

- Automotives Exterior Housing(Spoiler, Bumper Guard Etc)

Properties	Method	Unit	BM662
Physical			
Specific Gravity , 23°C	ASTM D792		1.05
Mold Shrinkage , 23°C, 3.2mm , 23°C	ASTM D955	%	0.4 ~ 0.7
Melt Flow Rate , 220°C, 10kg	ASTM D1238	g/10min	5
Mechanical			
Tensile Strength at Yield , 23°C, 50mm/min, 3.2mm	ASTM D638	Mpa	44
Tensile Elongation at Break , 23°C, 50mm/min, 3.2mm	ASTM D638	%, (Min)	10
Tensile Modulus , 23°C, 50mm/min, 3.2mm	ASTM D638	MPa	2000
Flexural Strength , 23°C, 15mm/min, 3.2mm	ASTM D790	Mpa	71
Flexural Modulus , 23°C, 15mm/min, 3.2mm	ASTM D790	MPa	2150
Izod Impact Strength , Notched, 3.2mm, 23°C	ASTM D256	J/m	265
Izod Impact Strength , Notched, 3.2mm, -30°C	ASTM D256	J/m	90
Izod Impact Strength , Notched, 6.4mm, 23°C	ASTM D256	J/m	245
Izod Impact Strength , Notched, 6.4mm, -30°C	ASTM D256	J/m	80
Rockwell Hardness , R-Scale	ASTM D785		101
Thermal			
HDT , Edgewise, 1.82MPa, 6.4mm, Unannealed	ASTM D648	°C	97
VICAT , 50N, 50°C/h	ASTM D1525	°C	104

Updated Date : 1-Jul-17 Issued Date : 7-Mar-18

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Note

Typical values can be used only for the purpose of selecting material, and there can be variation within normal tolerances for various colors. Values given should not be interpreted as specification and not be used for designing part or tool. All properties, except melt flow rate are measured by injection molded specimens after 48 hours storage at 23°C, 50% relative humidity.

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