

WeConnectScience



BM662B

Description

BM662B is a blow molding ABS for spoilers

Key Features

High Heat Resistance, Paintability

Properties	Condition	Method	Unit	BM662B
Physical				
Specific Gravity	23°C	ASTM D792		1.05
Mold Shrinkage	23°C, 3.2mm	ASTM D955	%	0.4 ~ 0.7
Melt Flow Index	220°C, 10kg	ASTM D1238	g/10min	2
Mechanical				
Tensile Strength at Yield	23°C, 50mm/min, 3.2mm	ASTM D638	MPa	46
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	1900
Flexural Strength	23°C, 15mm/min, 3.2mm	ASTM D790	MPa	70
Flexural Modulus	23°C, 15mm/min, 3.2mm	ASTM D790	MPa	2050
Izod Impact Strength	Notched, 3.2mm, 23°C	ASTM D256	J/m	160
Izod Impact Strength	Notched, 3.2mm, -30°C	ASTM D256	J/m	70
Izod Impact Strength	Notched, 6.4mm, 23°C	ASTM D256	J/m	160
Izod Impact Strength	Notched, 6.4mm, -30°C	ASTM D256	J/m	60
Rockwell Hardness	R-Scale	ASTM D785		100
Thermal				
Heat Deflection Temperature	Edgewise, 1.82MPa, 6.4mm, Unannealed	ASTM D648	°C	103
Vicat Softening Temperature	50N, 50°C/h	ASTM D1525	°C	110

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 index are measured by injection molded specimens after 48 hours storage at 23°C, 50% relative humidity.

Updated Date: 2021-05-07 Issued Date : 2023-03-14

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Processing Guide (Extrusion)

Processing Parameters	Unit	Value
Drying Temperature	°C	80 ~ 90
Drying Time	hrs	3 ~ 4

Note

Recommend initial lower temperatures settings to avoid material degradation/hang-up in die & purge material from extruder prior to shutdown.

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