

**MAYRENE® MW220 B**

High Impact Polystyrene Flame Retardant

BS EN 60065-2002, Flammability category of HB40 in accordance with IEC 60707.

Test Certificate No : 8959



Physical Properties	Method	Testing Condition	Unit	Typical Value
Specific Gravity	ASTM D-792	-	g/cm ³	1.09
Water Absorption	ASTM D-570	23 °C	%	0.05

Mechanical Properties

Tensile Strength	ASTM D 638	-	kg/cm ²	180-220
Tensile Elongation	ASTM D 638	-	%	35-50
Flexural Modulus	ASTM D 790	-	kg/cm ²	18000-21000
Flexural Strength	ASTM D 790	-	kg/cm ²	350-450
Izod Impact	ASTM D 256	V-notched, 1/8"	kg.cm/cm	7-9

Thermal Properties

Melt Flow Index	ASTM D 1238	-	g/10min	7-12
Heat Distortion Temperature	ASTM D-648	18.6kg/cm ²	°C	83
Flammability	IEC-65	-	-	V2

Processing Properties

Drying Hour	-	-	Hr	2-3
Drying Temperature	-	-	°C	80
Melt Temperature	-	-	°C	190-230

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