

**MS-600**

SMMA

Toyo Styrene Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	1	g/10min	ISO 1133
Temperature	200	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	77	MPa	ISO 527
Strain at break	5	%	ISO 527
Flexural modulus, 23°C	3350	MPa	ISO 178
Flexural strength	110	MPa	ISO 178
Charpy notched impact strength, +23°C	1.5	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	79	°C	ISO 75-1/-2
Vicat softening temperature, B	100	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Yellow Card available	yes	-	-

Optical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Haze	0.1	%	ASTM D 1003
Light Transmittance	92	%	ASTM D 1003
<b>Other Standards<sup>[S]</sup></b>			
Index of Refraction	1.53	-	ISO 489

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Density	1130	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Special Characteristics**

U.V. stabilized or stable to weather, Transparent

**Regional Availability**

Asia Pacific

**Features**

Copolymer