

MS-750

SMMA

Toyo Styrene Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	4	g/10min	ISO 1133
Temperature	200	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	74	MPa	ISO 527
Strain at break	4	%	ISO 527
Flexural modulus, 23°C	3230	MPa	ISO 178
Flexural strength	107	MPa	ISO 178
Charpy notched impact strength, +23°C	0.8	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	83	°C	ISO 75-1/-2
Vicat softening temperature, B	105	°C	ISO 306

Optical properties	Value	Unit	Test Standard
ASTM Data			
Haze	0.1	%	ASTM D 1003
Light Transmittance	92	%	ASTM D 1003
Other Standards^[S]			
Index of Refraction	1.52	-	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	1150	kg/m ³	ISO 1183

Characteristics**Special Characteristics**

U.V. stabilized or stable to weather, Transparent

Regional Availability

Asia Pacific

Features

Copolymer