

SABIC® PMMA 140HF

PMMA

Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PMMA 140HF is a standard easy flowing grade for Injection molding applications. The grade is available in pellet form.

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Strength	66	MPa	ISO 527
Flexural modulus, 23°C	3300	MPa	ISO 178
Flexural strength	120	MPa	ISO 178
Rockwell hardness	86	-	ISO 2039-2

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	84	°C	ISO 75-1/-2
Vicat softening temperature, B	89	°C	ISO 306
ASTM Data			
Thermal Conductivity, solid state	0.0288	W/(m K)	ASTM C 177

Optical properties

	Value	Unit	Test Standard
ISO Data			
Haze	0.3	-	ISO 14782
Luminous transmittance	93	%	ISO 13468-1, -2

Other properties

	Value	Unit	Test Standard
Density	1190	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding