

Product Texts

SABIC® PMMA IN20HR is a PMMA grade with good heat resistance property suitable for extrusion and injection molding applications targeting unexposed applications to ultraviolet radiation. The grade is available in pellet form.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	77	MPa	ISO 527
Flexural modulus, 23°C	3300	MPa	ISO 178
Flexural strength	140	MPa	ISO 178
Rockwell hardness	101	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	100	°C	ISO 75-1/-2
Vicat softening temperature, B	107	°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