

**Delpet™ 80NB**

PMMA

Asahi Kasei

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>0.5</b>	g/10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>3.8</b>	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>3300</b>	MPa	ISO 527
Stress at break	<b>77</b>	MPa	ISO 527
Strain at break	<b>8</b>	%	ISO 527
Flexural modulus, 23°C	<b>3300</b>	MPa	ISO 178
Flexural strength	<b>130</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>24</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>1.4</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	<b>M 95</b>	-	ISO 2039-2
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>96</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>104</b>	°C	ISO 306
<b>Optical properties</b>			
<b>ISO Data</b>			
Luminous transmittance	<b>92</b>	%	ISO 13468-1, -2
<b>Other properties</b>			
Water absorption	<b>0.3</b>	%	Sim. to ISO 62
Density	<b>1190</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Delivery form**

Pellets

**Regional Availability**

North America

**Special Characteristics**

Transparent