

**Altuglas® Diffuse 302 (TP1074)**

PMMA

Altuglas International

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>1.1</b>	g/10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>3.8</b>	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Yield stress	<b>55</b>	MPa	ISO 527
Yield strain	<b>6</b>	%	ISO 527
Stress at break	<b>55</b>	MPa	ISO 527
Strain at break	<b>13</b>	%	ISO 527
Flexural modulus, 23°C	<b>2150</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>31</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>2.5</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	<b>3</b>	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Rockwell Hardness	<b>M 67</b>	-	ASTM D 785
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>93</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>98</b>	°C	ISO 306
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>3.2</b>	mm	-
<b>Optical properties</b>			
<b>ASTM Data</b>			
Haze	<b>99.5</b>	%	ASTM D 1003
Light Transmittance	<b>92</b>	%	ASTM D 1003
<b>Other properties</b>			
Humidity absorption	<b>0.3</b>	%	Sim. to ISO 62
Density	<b>1180</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Special Characteristics**

Transparent

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa