

**Diamond ABS 4012B**

ABS

LyondellBasell Industries

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>1.3</b>	g/10min	ASTM D 1238
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
Mold Shrinkage, MD	<b>0.005</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>39</b>	MPa	ASTM D 638
Flexural Modulus	<b>1868</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>342</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>84.4</b>	°C	ASTM D 648
Vicat Temperature	<b>115</b>	°C	ASTM D 1525
<b>Other properties</b>			
Density	<b>1040</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Blow Molding

**Regional Availability**

North America