

**VOLOY 415**  
PBT-(GF+MD)

LyondellBasell Industries

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.004</b>	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Break	<b>93.8</b>	MPa	ASTM D 638
Elongation at Break	<b>3.6</b>	%	ASTM D 638
Flexural Modulus	<b>9501</b>	MPa	ASTM D 790
Flexural Strength	<b>157</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>48</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>219</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>204</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1630</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics**

**Processing**  
Injection Molding

**Regional Availability**  
North America

**Special Characteristics**  
Flame retardant