

**Fiberfil® PP-61/V0**

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>20</b>	g/10min	ASTM D 1238
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-
Mold Shrinkage, MD	<b>0.019</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	<b>1030</b>	MPa	ASTM D 638
Tensile Strength	<b>24.8</b>	MPa	ASTM D 638
Elongation at Yield	<b>25</b>	%	ASTM D 638
Flexural Modulus	<b>896</b>	MPa	ASTM D 790
Flexural Strength	<b>26.2</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 85</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>80</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>1.5</b>	mm	-
DTUL @ 66 psi	<b>71.1</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>62.8</b>	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	<b>0.02</b>	%	ASTM D 570
Density	<b>998</b>	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>77</b>	°C	-
Pre-drying - Time	<b>2</b>	h	-
Processing humidity	<b>≤0.2</b>	%	-
Melt temperature	<b>193 - 216</b>	°C	-
Mold temperature	<b>32 - 71</b>	°C	-
Zone 1	<b>182 - 199</b>	°C	-
Zone 2	<b>193 - 210</b>	°C	-
Zone 3	<b>188 - 204</b>	°C	-
Nozzle temperature	<b>182 - 193</b>	°C	-
Back pressure	<b>0 - 0.689</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Features**

Copolymer

**Delivery form**

Pellets

**Regional Availability**

North America

**Special Characteristics**

Flame retardant