

Fiberfil® PP-60/V2

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	7	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.0185	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	1550	MPa	ASTM D 638
Tensile Strength	37.9	MPa	ASTM D 638
Elongation at Yield	15	%	ASTM D 638
Flexural Modulus	1480	MPa	ASTM D 790
Flexural Strength	42.1	MPa	ASTM D 790
Rockwell Hardness	R 92	-	ASTM D 785
Izod Impact notched, 1/8 in	48	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	82.2	°C	ASTM D 648
DTUL @ 264 psi	76.7	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.02	%	ASTM D 570
Density	958	kg/m ³	ASTM D 792

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

Characteristics**Processing**

Injection Molding

Features

Homopolymer

Delivery form

Pellets

Regional Availability

North America

Special Characteristics

Flame retardant