

Omnix® 6025 BK 000 HFFR

PA*-GF25

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Density, 73°F	1400	kg/m³	ASTM D 792
Water Absorption, 24hr	0.7	%	ASTM D 570

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	9600 / 9600	MPa	ISO 527
Stress at Break	124 / 125	MPa	ISO 527
Strain at Break	3.3 / 3.3	%	ISO 527
Impact Strength (Charpy), +23°C	66 / 66	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	9.3 / 9.6	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	9300 / 9300	MPa	ISO 178
Flexural strength	209 / 209	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	9.4 / 9.2	kJ/m²	ISO 180/1A
Impact Strength (Izod), 23°C	55 / 56	kJ/m²	ISO 180/1U
ASTM Data			
Compressive Strength	170 / 160	MPa	ASTM D 695

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	179 / *	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	25	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	73	E-6/K	ASTM D 696

Electrical Properties	dry / cond	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	23 / -	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.005 / -	-	ASTM D 150
Dissipation Factor, 1 MHz	0.013 / -	-	ASTM D 150
Dielectric Constant, 60 Hz	3.9 / -	-	ASTM D 150
Dielectric Constant, 1 MHz	3.7 / -	-	ASTM D 150
Volume Resistivity	1E16 / -	Ohm*cm	ASTM D 257

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 12	h	-
Melt temperature	275 - 290	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	250	°C	-
Zone 2	285	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black

Special Characteristics

Flame retardant, Halogen-free, Impact modified

Applications

Automotive, Electrical and Electronical

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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