

Omnix® 4050 NT 000

(PA*+PPA)-GF50

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Density, 73°F	1590	kg/m ³	ASTM D 792

Rheological properties	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	17000	MPa	ISO 527
Yield stress	245	MPa	ISO 527
Strain at Break	2.4	%	ISO 527
Flexural Modulus (23°C)	15000	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	14	kJ/m ²	ISO 180/1A
Impact Strength (Izod), 23°C	90	kJ/m ²	ISO 180/1U

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	260	°C	ISO 11357-1/-3
Burning Behav. at thickness h	HB	class	UL 94
Thickness tested	0.8	mm	-

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

Special Characteristics

Impact modified

Delivery form

Pellets, Natural Color

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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