

Omnix® 4030 BK 000 (PA*+PPA)-GF30

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Density, 73 °F	1410	kg/m ³	ASTM D 792

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1 / *	%	Producer Method
Molding shrinkage, normal	0.6 / *	%	Producer Method

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	10900 / 9600	MPa	ISO 527
Yield stress	185 / 145	MPa	ISO 527
Strain at Break	2.5 / 4	%	ISO 527
Impact Strength (Charpy), +23 °C	60 / 60	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23 °C	9.2 / 9.2	kJ/m ²	ISO 179/1eA
Flexural Modulus (23 °C)	9000 / -	MPa	ISO 178
Flexural strength	260 / -	MPa	ISO 178

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting Temperature (10 °C/min)	260 / *	°C	ISO 11357-1/-3
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Water Absorption	5.1 / *	%	Producer Method

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, Heat aging stabilized

Delivery form

Pellets, Black

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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