

Omnix® 4030 BK 000

(PA*+PPA)-GF30

Syensqo

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
Other Standards^[5]			
Molding shrinkage, parallel	0.1 / *	%	Producer Method
Molding shrinkage, normal	0.6 / *	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

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
Flexural modulus, 23°C	9000 / -	MPa	ISO 178
Flexural strength	260 / -	MPa	ISO 178
Charpy impact strength, +23°C	60 / 60	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	9.2 / 9.2	kJ/m ²	ISO 179/1eA

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
Density	1410	kg/m ³	ASTM D 792
Other Standards^[5]			
Water absorption	5.1 / *	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

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

High impact or impact modified, Heat stabilized or stable to heat

Certifications

RoHS compliant

Applications

Automotive, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific