

Omnix® 4020 BK 000

(PA*+PPA)-GF20

Syensqo

Water-Heated Mold Injection Molding.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Density, 73°F	1320	kg/m ³	ASTM D 792
Rheological properties			
ISO Data			
Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577
Mechanical Properties			
ISO Data			
Tensile Modulus	8150 / 7100	MPa	ISO 527
Yield stress	140 / 120	MPa	ISO 527
Yield strain	2.2 / 3.9	%	ISO 527
Impact Strength (Charpy), +23°C	42 / 42	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	6.5 / 6.5	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	6700 / -	MPa	ISO 178
Flexural strength	200 / -	MPa	ISO 178
Thermal Properties			
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	-
Electrical Properties			
ISO Data			
Comparative tracking index	600 / -	-	IEC 60112
Other Properties			
ISO Data			
Water Absorption	5.9 / *	%	Sim. to ISO 62
Processing Recommendation Injection Molding			
Value			
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

Impact modified, Heat aging stabilized

Applications

Automotive, Electrical and Electronical

Disclaimer

Liability Exclusion

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