OMIKRON BLV 802 NERO/E

Polypropylene Homopolymer

TECNOPOL

Message:

OMIKRON BLV 802 NERO/E is an homopolymer polypropylene (high crystallinity) with 30% of glass fibre chemical bonded, for injection moulding, good processability.
It is available in black version. Natural or coloured on demand.
OMIKRON BLV 802 NERO/E is suitable for moulding of items requiring stiffness and dimensional stability .
It is used in production of automotive components.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 35% filler by weight		
Features	Good dimensional stability Rigid, good High crystallization Chemical coupling Homopolymer Workability, good		
Appearance	Black Available colors		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.16	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	98.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	7800	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	11	kJ/m²	ISO 180
Aging	**Nominal Value**	**Unit**	**Test Method**
Accelerated Aging (150°C)	> 6.3	day	Internal method
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	153	°C	ISO 75-2/A
Vicat Softening Temperature	136	°C	ISO 306/B
Flammability	**Nominal Value**	**Unit**	**Test Method**
Burning Rate	< 100	mm/min	FMVSS 302
Flame Rating	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0	hr
Rear Temperature	220 - 250	°C
Middle Temperature	220 - 250	°C
Front Temperature	220 - 250	°C
Mold Temperature	40.0 - 60.0	°C
Injection Pressure	9.00 - 11.0	MPa
Injection Rate	Moderate	
Back Pressure	5.00 - 10.0	MPa

Injection instructions
Post Pressure: 60 - 80 bar

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Recommended distributors for this material

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