

Tecnoprene® VK10 NERO900

Polypropylene Homopolymer

SO.F.TER. SPA

Message:

Polypropylene homopolymer, 50% glass fibre reinforced

General Information			
Features	Homopolymer		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17	g/10 min	ASTM D1238
Molding Shrinkage	0.25	%	Internal Method
Ash Content	50	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	102	MPa	ASTM D638
Tensile Elongation (Break)	2.3	%	ASTM D638
Flexural Modulus	10800	MPa	ASTM D790
Flexural Strength	175	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	150	°C	ASTM D648
Vicat Softening Temperature	147	°C	ASTM D1525 ¹
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		
Injection	Nominal Value	Unit	
Rear Temperature	220	°C	
Middle Temperature	240	°C	
Front Temperature	250	°C	
Mold Temperature	50.0 to 70.0	°C	
NOTE			

1. Rate A (50°C/h), Loading 2 (50 N)

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