

Polifor® 12 TR/20 NERO FC

Polypropylene
Celanese Corporation

Technical Data

Product Description		
Polypropylene, 20% mineral filled		
General		
Filler / Reinforcement	• Mineral	
Processing Method	• Injection Molding	
Physical	Nominal Value Unit	Test Method
Density	1.05 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11 g/10 min	ISO 1133
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	2700 MPa	ISO 527-1/1A
Tensile Stress (Yield)	32.0 MPa	ISO 527-2/1A/50
Flexural Modulus (23°C)	2600 MPa	ISO 178
Flexural Stress (23°C)	48.0 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.1 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40 kJ/m²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	2.5 kJ/m²	ISO 180/1A
Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	93.0 °C	ISO 306/B50
Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
1.5 mm	HB	
3.2 mm	HB	
Injection	Nominal Value Unit	
Drying Temperature	80 to 100 °C	
Drying Time	2.0 to 3.0 hr	
Rear Temperature	190 to 210 °C	
Middle Temperature	210 to 230 °C	
Front Temperature	220 to 240 °C	
Processing (Melt) Temp	230 to 250 °C	
Mold Temperature	30 to 60 °C	

Notes

¹ Typical properties: these are not to be construed as specifications.