

# FORMULA P COMP 3220 M1

Polypropylene Copolymer

Putsch Kunststoffe GmbH

## Message:

Polypropylene Copolymer with 20% Talc.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Copolymer		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage	1.1 - 1.2	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	24.0	MPa	ISO 527-2
Fracture	24.0	MPa	ISO 527-2
Tensile Strain (Break)	50	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress (3.5% Strain)	57.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-20°C	1.8	kJ/m <sup>2</sup>	ISO 180
23°C	5.0	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	83.0	°C	ISO 306/B
Additional Information			
Tensile Strength, ISO 527: 24 MPa			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	230 - 245	°C	
Mold Temperature	20.0 - 60.0	°C	
Injection instructions			
Drying Not Required			

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