

FORMULA P ELAN 5220 M2 Z

Polypropylene
Putsch Kunststoffe GmbH

Message:
Polypropylene, with 20% mineral reinforcement.

General Information			
Filler / Reinforcement	Mineral filler, 20% filler by weight		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage	0.80 - 1.0	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	21.0	MPa	ISO 527-2
Fracture	14.0	MPa	ISO 527-2
Tensile Strain (Break)	50	%	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Flexural Stress (3.5% Strain)	37.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180
-20°C	4.0	kJ/m²	ISO 180
23°C	18	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	64.0	°C	ISO 306/B
Additional Information			
Tensile Strength, ISO 527: 21 MPa			
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	250 - 270	°C	
Mold Temperature	30.0 - 60.0	°C	

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