

POLYMER SOLUTIONS

# PA 2200 Speed

Material Data Sheet

## PA 2200 SPEED

# Product Description

PA 2200, based on polyamide 12, offers a wide range of applications thanks to its very balanced property profile and is the most proven material on the market.

PA 2200 is also available as the Responsible Product PA 2200 CarbonReduced. It combines a heavily reduced CO<sub>2</sub>e footprint with the well-known technical properties of PA 2200.

The Speed parameter set applies the classic 150 µm layer thickness which is popular and widespread on the market due to its allround qualities. This parameter set offers slightly higher surface quality than TopSpeed.

## MAIN CHARACTERISTICS

- Balanced property profile
- Multipurpose material

## TYPICAL APPLICATIONS

- Production equipment like grippers, jigs and fixtures
- Surgery cutting guides and bone models for the medical industry
- Eyewear in the consumer goods industry
- Spare parts like brackets or covers, e.g., in the automotive industry
- Functional parts for prototyping that include hinges or threads

MECHANICAL PROPERTIES	DRY / CONDITIONED	UNIT	TEST STANDARD
<b>Tensile Modulus</b>			ISO 527-1/-2
<b>X Orientation</b>	1600 / -	MPa	
<b>Y Orientation</b>	1600 / -	MPa	
<b>Z Orientation</b>	1550 / -	MPa	
<b>Tensile Strength</b>			ISO 527-1/-2
<b>X Orientation</b>	48 / -	MPa	
<b>Y Orientation</b>	48 / -	MPa	
<b>Z Orientation</b>	42 / -	MPa	
<b>Nominal Strain at Break</b>			ISO 527-1/-2
<b>X Orientation</b>	18 / -	%	
<b>Y Orientation</b>	18 / -	%	
<b>Z Orientation</b>	4 / -	%	
<b>Shore D Hardness</b>			ISO 7619-1
<b>X Orientation</b>	75 / -	-	

OTHER PROPERTIES	VALUE	UNIT	TEST STANDARD
<b>Powder Color</b>	white	-	-
<b>Components Color</b>	white	-	-

#### HEADQUARTERS

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