

POLYMER SOLUTIONS

PA 2200 CarbonReduced Speed

Material Data Sheet

PA 2200 CARBONREDUCED SPEED

Product Description

PA 2200 CarbonReduced, 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 CarbonReduced is an EOS Responsible Product. It combines a heavily reduced CO₂e 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

- 100% proven quality and 45% less CO₂e
- Balanced property profile
- Multipurpose material

TYPICAL APPLICATIONS

- Production equipment like grippers, jigs and fixtures
- Surgery cutting guides and bone models for the medical industry
- Eye wear 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
Tensile Modulus			ISO 527-1/-2
X Orientation	1600 / -	MPa	
Y Orientation	1600 / -	MPa	
Z Orientation	1550 / -	MPa	
Tensile Strength			ISO 527-1/-2
X Orientation	48 / -	MPa	
Y Orientation	48 / -	MPa	
Z Orientation	42 / -	MPa	
Nominal Strain at Break			ISO 527-1/-2
X Orientation	18 / -	%	
Y Orientation	18 / -	%	
Z Orientation	4 / -	%	
Shore D Hardness			ISO 7619-1
X Orientation	75 / -	-	

OTHER PROPERTIES	VALUE	UNIT	TEST STANDARD
Powder Color	white	-	-
Components Color	white	-	-

HEADQUARTERS

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Status as of 14.04.2024. Subject to technical modifications. EOS is certified according to ISO 9001.

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