

POLYMER SOLUTIONS

PA 2200 CarbonReduced Top Speed

Material Data Sheet

PA 2200 CARBONREDUCED TOP 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 advantage of the process parameter Top Speed, with 180µm layer thickness, lies in its ability to build parts with medium to high requirements of quality and mechanical load combined with high cost pressure. Particularly large and relatively thick-walled parts can usually profit from this layer thickness, mostly without any noticeable impairment from the fast build-up rates.

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	1500 / -	MPa	
Y Orientation	1500 / -	MPa	
Z Orientation	1500 / -	MPa	
Tensile Strength			ISO 527-1/-2
X Orientation	45 / -	MPa	
Y Orientation	45 / -	MPa	
Z Orientation	38 / -	MPa	
Nominal Strain at Break			ISO 527-1/-2
X Orientation	18 / -	%	
Y Orientation	18 / -	%	
Z Orientation	3 / -	%	
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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