PA 2200 Balance 1.0

PA12 EOS GmbH Electro Optical Systems

Product Texts

This data sheet applies to the products PA 2200 and PA 2200 CarbonReduced.

120 µm layer thickness
The advantage of the Balance parameter set is equilibrium. The layer thickness of 120 µm offers a perfect balance between production costs, mechanical properties, surface quality and accuracy. It is therefore suitable for parts with varying geometries, dimensions and requirements.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**1650**	MPa	ISO 527
Tensile Strength	**48**	MPa	ISO 527
Strain at break	**18**	%	ISO 527
Flexural modulus, 23°C	**1500**	MPa	ISO 178
Charpy impact strength, +23°C	**53**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**4.8**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**4.4**	kJ/m²	ISO 180/1A
Shore D hardness	**75**	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**176**	°C	ISO 11357-1/-3
Vicat softening temperature, B	**163**	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**0.5**	mm	-

Other properties	Value	Unit	Test Standard
Density	**930**	kg/m³	ISO 1183

Characteristics

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa