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TECHNICAL DATA SHEET

ISOPLAS P501

MECHANICAL

PHYSICAL PROPERTY	TEST METHOD	UNITS	VALUE
Density	ISO 1183	g/cm ³	0.952
Tensile Strength at Yield	ASTM D638	MPa	26.0
Elongation at Break	ASTM D638	%	200
Modulus of Elasticity	ASTM D638	MPa	1100

THERMAL

PHYSICAL PROPERTY	TEST METHOD	UNITS	VALUE
Melt Flow Index (190/5)	ISO 1133	g/10 min	3.0
Vicat Softening Point	ASTM D1525	°C	124
Specific Heat	ISO 11357	kJ/kg.°C	2.1
Thermal Conductivity	ASTM D5930	W/m.°C	0.46
Coefficient of Linear Expansion (20°C)	ASTM D696	per °C	1.4 x 10 ⁻⁴

Isoplas P501 is used for hot and cold sanitary water pipes.

The information given above is typical for the material. It should only be used for the purpose of comparison and does not guarantee performance under end use conditions.



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