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TECHNICAL DATA SHEET

ISOPLAS P381

MECHANICAL

PHYSICAL PROPERTY	TEST METHOD	UNITS	VALUE
Density	ISO 1183	g/cm ³	0.944
Tensile Strength at Yield	ASTM D638	MPa	21.0
Elongation at Break	ASTM D638	%	>350
Modulus of Elasticity	ASTM D638	MPa	900

THERMAL

PHYSICAL PROPERTY	TEST METHOD	UNITS	VALUE
Melt Flow Index (190/5)	ISO 1133	g/10 min	2.0
Vicat Softening Point	ASTM D1525	°C	123
Specific Heat	ISO 11357	kJ/kg.°C	1.9
Thermal Conductivity	ASTM D5930	W/m.°C	0.43
Coefficient of Linear Expansion (20°C)	ASTM D 696	per °C	2.0 x 10 ⁻⁴

Isoplas P381 – this flexible grade has been developed for use in under-floor heating 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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