

Material PE E083

Version
04

Released on
04.12.2014

General Data

Colour: white

Declaration of Compliance for - Food & Beverage is available upon request for selected articles. Please contact your known sales contact or send an email to info@fst.com.

Physical Properties

	Nominal Range	Typical Value	
Density DIN EN ISO 1183-1, 23 °C		0.93	g/cm ³
Hardness DIN EN ISO 868, Shore D	64 - 67	61	Shore
Ball indentation hardness DIN EN ISO 2039-1, 23 °C		35	MPa
Tensile stress at yield DIN EN ISO 527-2, 1 B	22 - 44		MPa
Tensile strength at break DIN EN ISO 527-2, 1 B		35	MPa
Elongation at break DIN EN ISO 527-2, 1 B	460 - 800	350	%
Tensile modulus DIN EN ISO 527-2/1 B, 23 °C		700	MPa
Notched impact strength DIN EN ISO 11542-2		170	kJ/m ²
Thermal conductivity wire method		0.41	W/m*K

Temperature Range

static: -200 to 80 °C

This data sheet supersedes all previous versions. The content is subject to change without prior notice. The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufacturing process and the component geometry. The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

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