

General information:

This type of steel is used in spacers which have to feature a high mechanical strength. There are several possibilities of post-processing of which is mostly used the electrolytic zinc coating or cadmium plating.

Physical properties:

Property	Value	DIN
Density (gr/cm ³)	7.5	--
Tensile strength (MN/m ²)	--	53455
Elongation at break (%)	--	53455
Modulus of elasticity (MN/m ²)	2x10 ⁵	53457
Notched impact strength (kJ/m ²)	--	53453
Ball indentation hardness (MN/m ²)	--	53456
Continuous operating temperature (max °C)	--	--
Volume resistivity (Ω.cm)	720x10 ⁻⁷	53482
Dielectric dissipation factor tan: (10 ³ Hz)	--	53483
Dielectric strength (MV/m)	--	53481
Coefficient of friction (compared with) (--)	--	--

Chemical resistance:

Resistance to

Benzine	+	Weak lyes	+
Benzol	+	Strong lyes	+
Mineral oils	+	Weak acids	0
Vegetable oils	+	Strong acids	0

Important note:

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