

Elastollan® 785 A10 HPM

Marketing Card



Target Application – Thermoplastic for high temperature (**150°C**) cable jacketing

Key Selling Points

Meets the requires of ISO 6722 **Class D** high temperature (150°C)

Cost savings and **simpler processing** over cross-linked materials & fluoropolymers

Humidity resistance - 3000 hrs in **humid heat** (85% RH at 85°C)

Best End-Use Markets and Applications

Automotive – axles/brakes and engine

Industrial – Seismic and Flat Flex

Certification and Standards

Class D ISO 6722: 3000 hrs at 150°C, 240 hrs at 175°C and 6 hrs at 200°C

REACH, RoHS and IMDS

Pricing and Availability

– see Price List.

Free of charge samples are available

Due to high demand, forecast recommended for commercial volumes.

General Product Information

Property	Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183-1-a
Hardness	85	Shore A	DIN ISO 7519-1 (3s)
Tensile strength	46	MPa	DIN 53504-S2
Elongation at break	690	%	DIN 53504-S2
Tear strength	69	N/mm	DIN ISO 34-1Bb
Abrasion loss	43	mm ³	DIN ISO 4649-A
Vicat-Softening Temperature at 10 N a. 120°C/h (procedure VST/A 120)	118	°C	DIN EN ISO 306

The plaques are manufactured by injection molding from pre-dried granules (water content less 0,02%). Test plaques are aged 20 hrs at 100°C. Specimens are cut from test plaques. The test conditions: 23°C ± 2°C and 50% ± 6% rel. humidity.

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