

Marketing Card

UL 1581 Dry Temperature Rating 90°C and 105°C



Target Applications – FR cable jacketing for UL 1581 dry temperature rating of 90°C and 105°C.

Screening Results		
Product	90°C	105°C
Elastollan 1185A10FHF	PASS	PASS
Elastollan 1190A10FHF	TBD	PASS
Elastollan 1192A11FHF	TBD	PASS
Elastollan 3092A10HFFR	PASS	PASS
Testing was performed on 1.6mm extruded films		

Requirements of Section 50 of UL1581

Pass 90°C rating - 7 d @ 121°C maintain 65 percent tensile strength and 70 percent of ultimate elongation. Minimum tensile strength and elongation of unaged sample of 12.9 Mpa and 300%, respectively.

Pass 105°C rating - 7 d @ 136°C maintain 35 percent tensile strength and 85 percent of ultimate elongation. Minimum tensile strength and elongation of unaged sample of 17.2 Mpa and 450%, respectively.

Samples were prepared and tested in accordance with UL 2556. Results of the testing were compared to Section 50 of UL 1581.

Provided for Guidance Only. UL 1581 certification is for finished cables. This testing was performed by BASF on extruded films to provide guidance on grades of Elastollan that might be suitable for UL 1581. The reader should carry out its own investigations and tests to determine the suitability of a product for its particular purpose prior to use.

Key Selling Points

Suitable for **VW-1** and **FT-1** cables

Halogen-free flame retardant and **Low Smoke** grades are available

Flame Testing Video

Watch Elastollan perform in the Flame Challenge Test. – [Click Here for Video](#)

Best End-Use Markets and Applications

Consumer Cables Automotive EV Charging Industrial Cables

Offset Guide

Lubrizol Estane® 58202, 58370, ZHF 95AT and ZHF 92AT

Certification and Standards

REACH, RoHS and IMDS

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Pricing and Availability – see Price List.

Sample quantities are available

Due to high demand, forecast recommended for commercial volumes

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