

Luran S Q440

Acrylonitrile Styrene Acrylate (ASA)

**TECHNICAL
DATASHEET**

DESCRIPTION

Luran® S Q440 is a low gloss extrusion ASA grade with excellent weatherability. Q440 is especially suited for the building and construction market as a low gloss weatherable cap layer. It is provided with a base loading of TiO₂ to help in the coloring of the product with a color concentrate.

FEATURES

- Excellent weatherability
- Low gloss

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm ³ /10 min	-
Mechanical Properties			
Tensile Modulus	ISO 527	MPa	-
Thermal Properties			
Optical Properties			
Other Properties			

Typical values for uncolored products

PRODUCT SAFETY

No adverse effects on the health of processing personnel have been observed where the products are correctly processed and the production areas are suitably ventilated. For styrene, alpha-methylstyrene, acrylonitrile, and butyl acrylate the maximum allowable workplace concentrations must be observed according to the pertaining national regulations. In Germany, the following limit values are valid TRGS 900 (Aug. 2004): styrene, MAK-value: 20 ml/m³; alpha-methylstyrene, MAK-value: 100 ml/m³; acrylonitrile, TRK-value: 3 ml/m³, and butyl acrylate, MAK-value: 2 ml/m³ (1.7.2004). According to EU directive 67/548/EEC, Annex I (2001), acrylonitrile is classified as carcinogenic, category 2 ('substances which should be regarded as if they are carcinogenic to man'). Experience has shown that when Luran® S is processed correctly with appropriate ventilation, the levels are far below the limits mentioned above. Inhalation of the vapors of degradation products which can arise on severe overheating of the materials or during purging out should be avoided. Further information can be found in the Luran S safety data sheets.

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