

Avalon® SR40

Clear Hardcoat for Plastics with Ultimate Scratch Resistance

Key performance:

- Excellent Scratch Resistance, Bayer 7.6
- Excellent Hardness, Pencil Hardness 9H
- Very Good Abrasion Resistance, Haze 17.7 %
- Fully Transparent, Transmittance > 91 %
- Reflectance 8 %, Yellowness < 1.0
- Excellent sprayability

Applications

Optical applications:

- Plastic Lenses and Windows
- Parts in Electronics and Telecom Applications
- Lamp Covers and Other Illumination Parts

Wear resistant parts

- Switches, Panels, Covers, Pads

Description

Avalon® SR40 is a high-solids 1-component UV-curing lacquer solution forming a high optical quality hard coating on most plastic surfaces. Based on nanotechnology, the optimized hybrid composition provides a superior toughness with an excellent scratch-resistance.

High degree of leveling and easy sprayability makes Avalon® SR40 ideal for automated production of 2D and 3D coated components with minimum overspray and high production yield. Avalon® SR40 can be used in existing UV-coating lines or a tailored coating cell can be supplied.

Typical solution physical properties

- **Appearance:** Clear liquid
- **Reactive solids w/w:** > 70 %
- **Reduced VOC content:** 270 g/l
- **Specific gravity, 20°C:** 1.07 kg/l
- **Viscosity DIN cup 4:** 11 sec
- **Diluents:** MEK / Butyl acetate
- **Fluorine free**



Storage and handling

Solution should be stored below room temperature (+6 to +20°C) in a well-ventilated place. Keep containers tightly closed and protected from sources of heat and light. Storing time is 6 months from the date of manufacture.

In the case of technical consultancy of process parameters, please contact our customer service

info@millidyne.fi

Tel. +358-3-317 74 50