



NOVODUR® SBM-90

Drinking water approved solution for galvanised sanitary applications

INEOS
STYROLUTION

Driving Success. Together.

REGULATORY COMPLIANT ELECTROPLATABLE ALTERNATIVE AS DROP-IN SOLUTION FOR ABS

Novodur® SBM-90 is designed as a drop-in solution for running ABS systems with demanding regulatory requirements. The grade can be used for various sanitary applications, such as shower heads and faucets. INEOS Styrolution developed a platable material that is safe and meets the stringent standards of drinking water regulations. Collaboration and trials with Atotech, a leading surface-finishing solutions provider, proved that Novodur® SBM-90 can be electroplated with outstanding surface finish and adhesion. The requirements for processing include conventional Adhemax® pre-treatment with modified parameters*.

NOVODUR® SBM-90

PROPERTY	NORM	UNIT	NOVODUR® SBM-90
MVR (220 °C/ 10 min)	ISO 1133	cm ³ /10 min	13
Charpy (notched, 23 °C)	ISO 179/1eA	kJ/m ²	15
Hardness	ISO 2039-1	MPa	88
Vicat (VST/B/120)	ISO 306	°C	91
HDT A	ISO 75	°C	90
Tensile modulus	ISO 527	MPa	2000
Stress at yield	ISO 527	MPa	40
Strain at yield	ISO 527	%	2,5
Flexural modulus	ISO 178	MPa	2100
Flexural strength	ISO 178	MPa	55
Density	ISO 1183	kg/m ³	1100



FOCUS APPLICATION

- Shower heads
- Shower head plates
- Faucets

KEY APPROVALS

- Drinking water compliant
- Food contact compliant

KEY PROPERTIES



*Adhemax® is a trademark of Atotech Deutschland GmbH