

NOVODUR® SBM-90

Drinking water & food contact approved material in a variety of colors



REGULATORY COMPLIANT ALTERNATIVE AS DROP-IN SOLUTION FOR ABS

Novodur® SBM-90 was developed in order to meet the tightened standards of the European drinking water and food contact regulations. The new material was designed as a drop-in solution for running ABS systems with demanding regulatory requirements, such as bowls, food containers, cups and various sanitary applications. Novodur SBM-90 is available as uncolored resin or in a variety of regulatory compliant pre-colored versions. Especially for demanding colorful applications a basic UV stabilization is ensuring shelf life consistency.

PROPERTY	NORM	UNIT	Novodur SBM-90	Novodur M210 TF*
MVR (220 °C/10 min)	ISO 1133	cm ³ /10 min	13	30
Charpy (notched, 23 °C)	ISO 179	kJ/m ²	15	17
Hardness	ISO 2039-1	MPa	88	90
Vicat (VST/B/120)	ISO 306	°C	90	97
HDT A	ISO 75	°C	90	94
Tensile Modulus	ISO 527	MPa	2000	2050
Stress at Yield	ISO 527	MPa	40	42
Strain at Yield	ISO 527	%	2,5	2,4
Flexural Modulus	ISO 178	MPa	2100	2050
Flexural Strength	ISO 178	MPa	55	60
Density	ISO 1183	kg/m ³	1100	1040

*INEOS Styrolution's ABS offering for food contact applications

VALUE PROPOSITION

- Chemical resistance vs. cleaning agents
- Flowability
- Impact strength
- Metallization feasible



KEY APPROVALS

- Drinking water
 - WRAS
 - ACS
 - KTW
 - W270
- Compliant with food contact regulations



FOCUS APPLICATIONS

- Salad bowls
- Sanitary appliances (shower heads)
- Cups & lids
- Coffee pots
- Food containers
- Food packaging
- Tableware

