

# 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 stringent 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.

PROPERTY	NORM	UNIT	Novodur SBM-90	Novodur M210TF*
MVR (220 °C/10 min)	ISO 1133	cm <sup>3</sup> /10 min	13	32
Charpy (notched, 23 °C)	ISO 179/1eA	kJ/m <sup>2</sup>	15	16
Hardness	ISO 2039-1	MPa	88	106
Vicat (VST/B/120)	ISO 306	°C	91	101
HDT A	ISO 75	°C	90	94
Tensile Modulus	ISO 527	MPa	2000	2450
Stress at Yield	ISO 527	MPa	40	46
Strain at Yield	ISO 527	%	2,5	2,6
Flexural Modulus	ISO 178	MPa	2100	2450
Flexural Strength	ISO 178	MPa	55	65
Density	ISO 1183	kg/m <sup>3</sup>	1100	1050

\*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

