Denka
Possibility of Chemistry

NSBC210

Technical Data Sheet

DESCRIPTION

NSBC is Denka's trade name of Styrene-Butadiene Block Copolymer for general applications. NSBC is developed by Denka's unique polymerisation technology and have suitable Styrene and Butadiene combination to achieve excellent transparency and processing.

NSBC can be blended with GPPS in molding process. It is used in wide range of applications such as industrial tray etc.

FEATURES

- GPPS Impact Modifier
- High Transparency
- Cold Temperature Resistance
- Low Density (About 20%-30% lower than PVC and PET)

PROCESSING

- Injection Moulding • Extrusion • Vacuum Forming
- Thermo Forming • Blow Moulding

APPLICATIONS

- Household Miscellaneous, e.g. Clear Hanger
- Industrial Tray • Shoe Sole

Property | Test Condition	Standard	Unit	Values
Melting Properties			
Melt Mass-Flow Rate | 200°C, 49N	ISO 1133	g/10min	8
Mechanical Properties			
Charpy Impact Strength | Notched, 23°C	ISO 179	kJ/m^2	2.0
Tensile Stress at Yield | 50mm/min, 23°C	ISO 527	MPa	27
Tensile Strain at Break | 50mm/min, 23°C		%	140
Flexural Stress | 2mm/min, 23°C	ISO 178	MPa	31
Flexural Modulus | 2mm/min, 23°C		MPa	1,590
Thermal Properties			
Vicat Softening Temperature | A/50, 10N, 50°C/hr	ISO 306	°C	80
Deflection Temperature Under Load | 1.8MPa, Flatwise Unannealed	ISO 75	°C	62
Optical Properties			
Haze | 4mmt	ISO 14782	%	2.8
Other Properties			
Density | 23°C	ISO 1183	kg/m^3	1,020

Note: The data listed in the table represents typical values for NSBC obtained by reliable sources and is provided for informational purposes only.
It is given in good faith and should not be used as a basis to establish specification limits or design criteria.
It is the responsibility of the User to evaluate and determine the suitability of our product for a particular use or intended application.

Contact us
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STORAGE RECOMMENDATION

Store at moderate temperature in dry and well-ventilated area.
Keep away from heat, sparks and open flame.
Protect against direct sunlight.
Take precautionary measures against static discharges.
Protect from moisture.
Avoid dusty environment.
Storage should be done in accordance with state and local regulations.
For more information, please contact a Denka representative.

PRODUCT SAFETY

Denka NSBC polymer contains very low levels of residual monomers and process chemicals that may be produced during thermal processing, along with possible decomposition or release of chemical fumes when subjected to excessive thermal stresses. It is therefore necessary to provide local exhaust ventilation in areas where Denka NSBC is exposed to high temperatures. As the identity and levels of these impurities produced depend upon the processing conditions (temperature etc.), it is the responsibility of the user to determine the adequacy of any protection (with personal protective equipment such as eye protection, thermal protection, respirators etc.) or safety measures. For more information, please refer to the Safety Data Sheet or contact a Denka representative.