Denka ABS TE-10S Acrylonitrile Butadiene Styrene **DENKA**



General		
Material Status	 Commercial: Active 	
Availability	 Asia Pacific 	North America
Appearance	 Clear/Transparent 	
Forms	 Pellets 	
Processing Method	 Sheet Extrusion 	

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.09 g/cm³	ASTM D792 ISO 1183
Melt Mass-Flow Rate (MFR)		ASTM D1238 ISO 1133
200°C/5.0 kg	1.7 g/10 min	
220°C/10.0 kg	25 g/10 min	
1echanical	Nominal Value Unit	Test Method
Tensile Stress		
Yield	42.0 MPa	ISO 527-2/50
Break	31.0 MPa	ISO 527-2/50
2	37.0 MPa	ASTM D638
Tensile Strain (Break)	50 %	ISO 527-2/50
Flexural Modulus ³		
	2010 MPa	ASTM D790
	2000 MPa	ISO 178
Flexural Strength ³		
	64.0 MPa	ASTM D790
	63.0 MPa	ISO 178
npact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	15 kJ/m²	ISO 179
ardness	Nominal Value Unit	Test Method
Rockwell Hardness		
M-Scale	46	ASTM D785
M-Scale, 23°C	46	ISO 2039-2
hermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		
1.8 MPa, Unannealed	78.0 °C	ASTM D648
1.8 MPa, Unannealed	70.0 °C	ISO 75-2/A
Vicat Softening Temperature		
	88.0 °C	ASTM D1525 4
<u></u>	87.0°C	ISO 306/B
lammability	Nominal Value Unit	Test Method
Flame Rating - UL	НВ	UL 94
UL File Number	E49895	
ptical	Nominal Value Unit	Test Method
Transmittance (2000 μm)	91.0 %	ASTM D1003
Haze (2000 μm)	1.5 %	ASTM D1003
dditional Information		

Light Transmission, ISO 13468-1, 2mm: 91% Haze, ISO 14782, 2mm: 1.9% Notched Izod Impact, ASTM D256, 23°C: 171 kJ/m²

- ¹ Typical properties: these are not to be construed as specifications.
- ² 50 mm/min
- ³ 2.0 mm/min
- ⁴ Loading 2 (50 N)