

## DENKA SBC TC-Polymer NEW GRADE

# TC270

DENKI KAGAKU KOGYO KABUSHIKI KAISHA  
ABS&Engineering plastics Div.

03/Sep.

Version No.1

**DENKA SBC (Styrene-Butadiene Copolymer) TC-Polymer,**  
**TC270** is newly developed grade, mainly used for the injection

molding applications, Housing, Display, Toys, Novelties, etc.

### <Characteristics>

\*Excellent clarity

\*Good toughness

### \*Typical properties

Properties	Test methods	Unit	TC270	C-3
Tensile stress at yield	ISO 527-2	Mpa	30	26
Tensile stress at break	ISO 527-2	Mpa	15	18
Elongation	ISO 527-2	%	380	250
Charpy impact strength (notched)	ISO 179-2	kJ/m <sup>2</sup>	1.4	1.2
Flexural stress	ISO 178	Mpa	42	33
Flexural modulus	ISO 178	Mpa	1200	1400
Vicat softening temperature(10N)	ISO 306	C	84	87
Melt mass-flow rate (200C,50N)	ISO 1133	g/10min.	6	7
Density	ISO 1183	1000kg/m <sup>3</sup>	1.02	1.01
Haze(2mmt)	ISO 14782	%	0.6	1.8

The values given are typical averages and not to be considered  
as sales specification limits or guaranteed values.