

# T-BLEND® 0201-45N

## Thermoplastic Rubber(TPR/TPE)

### Technical Data Sheet

T-BLEND® is a series of thermoplastic elastomer compound materials produced by TSRC Corporation.  
**T-BLEND® 0201-45N** Can be used for plastic overmolding application, also can be used for molding directly.  
**T-BLEND® 0201-45N** Can be used Injection molding method of machining. It has weathering resistance, flexibility, ex.

#### Physical Properties:

PROPERTIES	TESTING METHOD	CONDITIONS	UNITS	VALUEs
<b>Form</b>	N/A	--	--	Pellets
<b>Colour</b>	N/A	--	--	Natural
<b>Hardness (Shore)</b>	ASTM D2240	A Type	Shore A	27-33
<b>Melt Flow Index</b>	ASTM D1238	5 kg @ 180°C	g/10min	50-150
<b>SP.GR/Density</b>	ASTM D792	--	--	1.07-1.11
<b>Tensile Strength</b>	ASTM D412	Type3, specimen	kg/cm <sup>2</sup>	15
<b>Elongation</b>	ASTM D412	Crosshead	%	400
<b>300% Modulus</b>	ASTM D412	500mm/min	kg/cm <sup>2</sup>	10
<b>Tear Strength</b>	ASTM D624	C Die	kg/cm	10

#### Processing Guide :

##### Drying :

Under general storing condition, **T-BLEND® 0201-45N** can absorb moisture, so pre-drying is necessary before processing. Please dry the pellets in hot air circulating oven/hopper (80°C) for 1~2 hours.

##### Injection Machine / Screw :

With L/D ratio 15:1 or more would be better. The compression ratio (CR) is 2:1 or 3:1 and Shallow depth screw on metering section would be better for processing.

##### Barrel Temperature :

Information below is our injection-molding guide

Items		Values
<b>Barrel Temp.</b> (°C)	Feed	~150
	Rear	175
	Front	180
	Die	185
Molding (°C)		30 ~ 40
Back Pressure (Kg/cm <sup>2</sup> )		3.5 ~ 7
Injection Speed		General
Cycle (sec)		25 ~ 50

**Other: T-BLEND® 0201-45N** Molding shrinkage rate is 0.015 ~ 0.025 inch/inch

