



T-BLEND® 2102-10T
Thermoplastic Rubber(TPR/TPE)
Technical Data Sheet

T-BLEND® is a series of thermoplastic elastomer compound materials produced by TSRC (Shanghai) Industries LTD.

T-BLEND® 2102-10T Can be used for plastic overmolding application, also can be used for molding directly.

T-BLEND® 2102-10T Can be used Injection molding method of machining , It has weathering resistance, flexibility,ex.

Physical Properties:

PROPERTIES	TESTING METHOD	CONDITIONS	UNITS	VALUES
Form	N/A	--	--	Pellets
Colour	N/A	--	--	Translucent
Hardness (Shore)	ASTM D2240	AO Type	Shore AO	17-23
Melt Flow Index	ASTM D1238	1.2kg @ 120°C	g/10min	18-38
SP.GR/Density	ASTM D792	--	--	0.85-0.89
Tensile Strength	ASTM D412	Type3, specimen	kg/cm ²	7
Elongation	ASTM D412	Crosshead	%	700
300% Modulus	ASTM D412	500mm/min	kg/cm ²	1
Tear Strength	ASTM D624	C Die	kg/cm	3

Processing Guide :

Drying :

Under general storing condition, **T-BLEND® 2102-10T** 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	
Barrel Temp. (°C)	Feed	~150
	Rear	175
	Front	180
	Die	185
Molding (°C)	30 ~ 40	
Back Pressure (Kg/cm ²)	3.5 ~ 7	
Injection Speed	General	
Cycle (sec)	25 ~ 50	

Other: T-BLEND® 2102-10T Molding shrinkage rate is 0.015 ~ 0.025 inch/inch

