



T-BLEND® 4012-60N 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® 4012-60N thermoplastic elastomer is specially designed for replacing conventional foaming elastomer such as NR and EPDM, and it can be used as modifier for EVA and PE foaming.

T-BLEND® 4012-60N thermoplastic elastomer has excellent elasticity, flexibility and fine cells.

Physical Properties: Before foaming

PROPERTIES	TESTING METHOD	CONDITIONS	UNITS	VALUES
Form	N/A	--	--	Pellets
Colour	N/A	--	--	Natural
Hardness (Shore)	ASTM D2240	A Type	Shore A	49-55
Melt Flow Index	ASTM D1238	5 kg @ 180°C	g/10min	0-8
SP.GR/Density	ASTM D792	--	--	0.92-0.96
Tensile Strength	ASTM D412	Type3, specimen	kg/cm ²	35
Elongation	ASTM D412	Crosshead	%	800
300% Modulus	ASTM D412	500mm/min	kg/cm ²	15
Tear Strength	ASTM D624	C Die	kg/cm	20

Processing Guide:

Drying:

Under general storing condition, T-BLEND®4012-60N can absorb moisture, so pre-drying is necessary before processing. If the environment is humid or surface performance parts are required, please dry the pellets in hot air circulating oven/hopper (50°C) for 1-2 hour.

Molding:

The process is same as EVA foaming but it needs higher DCP volume (0.2~0.25phr) than EVA foaming.

Others:

Press molding at 165°C~168°C, 1 mm thickness needs 85 ~ 90 sec.

