台橡股份有限公司
TSRC CORPORATION

T-BLEND® 2900-55N Thermoplastic Rubber(TPR/TPE) Technical Data Sheet

T-BLEND® 2900-55N is a pre-formulated and pelletized general-purpose thermoplastic elastomer compound based on styrenic block copolymer (SBC).

It is designed for the over-molding of soft-touch elastomer components onto hard olefin thermoplastics such as PP, PE resins.

This material exhibits excellent flow properties and offers molded articles with fine texture, dry surface and excellent rubbery feeling.

Being a thermoplastic elastomer, **T-BLEND® 2900-55N** can be easily processed with general processing equipment and tools designed for thermoplastics and yet possess elastomeric properties at ambient temperatures.

Physical Properties:

PROPERTIES	TESTING METHOD	CONDITIONS	UNITS	VALUES
Form	N/A	--	--	Pellets
Color	N/A	--	--	Natural
SP.GR/Density	ASTM D792	--	--	0.99~1.05
Hardness	ASTM D2240	A Type	Shore A	52~58
Melt flow index	ASTM D1238	2.16 kg@180℃	g/10min	6~16
Tensile strength at break	ASTM D412	Type 3, specimen	kg/cm^2	30 Typical
Elongation at break	ASTM D412		%	330 Typical
Tear strength	ASTM D624	500 mm/min C Die	kg/cm	22 Typical

Processing Guide :

T-BLEND® 2900-55N rubber is a versatile material and can be processed by using high shear rate injection molding methods. Stability of **T-BLEND® 2900-55N** is excellent at normal processing temperature. However should inadvertent loss of temperature control lead to decomposition the degradation products are non-corrosive. Generally, it reacts the same as other easy molding thermoplastics (such as polystyrene). The finished parts have sharp and well defined details.

Injection machine/Screw:

Typical starting conditions for a reciprocating screw injection molding machine are listed in the accompanying chart. These values are intended only as guidelines, and the

optimum conditions will vary from machine to machine.

Items		Values
Barrel Temp. (°C)	Feed	170
	Rear	180
	Front	190
	Nozzle	200
Molding (°C)		30~40
Back pressure (kg/cm^2)		3.5~50
Injection rate		Moderate
Cycle (sec)		35~50