

# Tectron H2338

Thermoplastic Vulcanizate

TECTRON Systems Pte Ltd

## Message:

A thermoplastic vulcanizate with excellent heat and low temperature resistance. It can withstand temperature ranging from -50°C to 135°C. Tectron H series are available in concentrate and compound with hardness ranging from 45A - 90A. The concentrate is designed for compounders to obtain TPVs with the addition of PP and other chemicals. It can also be used as an additive to enhance the overall properties of various polymers. It can be processed by conventional plastics machines i.e. injection molding and extrusion.

General Information	
Features	Good wear resistance
	Heat resistance, high
Appearance	White
	Opacity
	Black
	Clear/transparent
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	3.30	MPa	ASTM D412
Tensile Strength (Yield)	8.60	MPa	ASTM D412
Tensile Elongation (Break)	1100	%	ASTM D412
Compression Set			ASTM D395
25°C, 22 hr	20	%	ASTM D395
100°C, 22 hr	66	%	ASTM D395
Injection	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	130 - 140	°C	
Middle Temperature	150 - 160	°C	
Front Temperature	160 - 170	°C	
Nozzle Temperature	180 - 200	°C	
Mold Temperature	30.0 - 40.0	°C	

Back Pressure	0.00 - 0.0800	MPa
Screw Speed	35 - 110	rpm
Injection instructions		

Injection Speed: 20 to 80 mm/s1st Stage - Boost Pressure: 1350 to 6000Hold Time ( thick part): 2 to 15 sec

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

