

# Tectron E1100

Thermoplastic Vulcanizate

TECTRON Systems Pte Ltd

## Message:

Thermoplastic vulcanizate with excellent oil, chemical and heat resistance.It can withstand temperatures ranging from 50°C to 130°C.Tectron E series are available in concentrate and compound with hardness ranging from 45A - 90A. The concentrate is designed for compounders to obtain olefenic TPVs with the addition of PP and other chemicals.It can also be used as an additive to improve the overall properties of your olefinic compounds.

General Information			
Features	Good chemical resistance		
	Heat resistance, high		
	Oil resistance		
Appearance	Yellow		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (A-Scale)	90		ASTM D785
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	3.50	MPa	ASTM D412
Tensile Strength (Yield)	6.50	MPa	ASTM D412
Tensile Elongation (Break)	1000	%	ASTM D412
Compression Set			ASTM D395
25°C, 22 hr	35	%	ASTM D395
100°C, 22 hr	70	%	ASTM D395
Injection	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	160 - 170	°C	
Middle Temperature	180 - 190	°C	
Front Temperature	180 - 200	°C	
Nozzle Temperature	190 - 210	°C	
Mold Temperature	30.0 - 40.0	°C	
Back Pressure	0.00 - 0.0800	MPa	
Screw Speed	50 - 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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