

Tectron H2233

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	Heat resistance, high
Appearance	White
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
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Specific Gravity	0.888	g/cm ³	ASTM D792
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Hardness	Nominal Value	Unit	Test Method
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Durometer Hardness (Shore A)	60		ASTM D2240
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Elastomers	Nominal Value	Unit	Test Method
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Tensile Stress (100% Strain)	1.30	MPa	ASTM D412
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Tensile Strength (Yield)	5.00	MPa	ASTM D412
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Tensile Elongation (Break)	750	%	ASTM D412
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Compression Set			ASTM D395
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25°C, 22 hr	18	%	ASTM D395
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100°C, 22 hr	54	%	ASTM D395
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Injection	Nominal Value	Unit
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Drying Temperature	70.0	°C
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Drying Time	2.0 - 4.0	hr
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Rear Temperature	140 - 150	°C
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Middle Temperature	160 - 170	°C
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Front Temperature	170 - 190	°C
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Nozzle Temperature	190 - 210	°C
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Mold Temperature	30.0 - 40.0	°C
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Back Pressure	0.00 - 0.0800	MPa
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Screw Speed	35 - 110	rpm
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Injection instructions

Injection Speed: 20 to 80 mm/s 1st Stage - Boost Pressure: 1350 to 6000 Hold Time (thick part): 2 to 15 sec

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