RTP 2800B-90A

Thermoplastic Vulcanizate RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.

Please contact RTP Company for current information prior to specifying this grade.

Natural color Sample Sam	General Information			
Appearance Black Natural color Forms Particle Processing Method Injection molding Physical Nominal Value Unit Test Method Specific Gravity 1.05 g/cm³ ASTM D792 Wolding Shrinkage - Flow (3.18 mm, njection Molded) 1.1 - 1.8 % ASTM D955 Water Absorption (23°C, 24 hr) 0.050 % ASTM D950 Hardness Nominal Value Unit Test Method Durometer Hardness (Shore A) 90 ASTM D2240 Elastomers Nominal Value Unit Test Method Forsile Strength (Break) 10.0 MPa ASTM D412 Forsile Elongation (Break) 300 % ASTM D412 Forsile Elongation (Break) 300 % ASTM D412 Forsile Elongation (Break) Nominal Value Unit Test Method Norched Izod Impact (3.18 mm, Injection Molded) No Break ASTM D456 Junontched Izod Impact (3.18 mm, Injection Molded) No Break ASTM D4812 Electrical Nominal Value Unit Test Method Surface Resistivity 1.05+6 ohms ASTM D257 Volume Resistivity 1.05+6 ohms ASTM D257 Additional Information Static Decay MIL-PRF-81705D, FTMS-4046.1: <2 sec Injection Nominal Value Unit Forsile Electrone 249 - 293 °C Widdle Temperature 249 - 293 °C Widdle Temperature 249 - 293 °C	Features	Semi-conductive		
Natural color Forms Particle Processing Method Injection molding Physical Nominal Value Unit Test Method Specific Gravity 1.05 g/cm³ ASTM D792 Molding Shrinkage - Flow (3.18 mm, njection Molded) 1.1 - 1.8 % ASTM D955 Mater Absorption (23°C, 24 hr) 0.050 % ASTM D570 -lardness Nominal Value Unit Test Method Durometer Hardness (Shore A) 90 ASTM D240 Elastomers Nominal Value Unit Test Method Durometer Hardness (Shore A) 90 ASTM D240 Elastomers Nominal Value Unit Test Method Darometer Hardness (Shore A) 90 ASTM D240 Elastomers Nominal Value Unit Test Method Darometer Hardness (Shore A) 90 ASTM D240 Elastomers Nominal Value Unit Test Method Darometer Market (Break) 10.0 MPa ASTM D412 Eresile Elongation (Break) 300 % ASTM D412 Impact Nominal Value Unit Test Method Darometer (Jana Mm, Injection Molded) No Break ASTM D256 Janontched Izod Impact (3.18 mm, Injection No Break ASTM D256 Janontched Izod Impact (3.18 mm) No Break ASTM D257 Johnstched Izod Impact (3.18 mm) Injection 1.0E+6 ohms ASTM D257 Additional Information Static Decay MIL-PRF-81705D, FTMS-4046.1: <2 sec Injection Nominal Value Unit Ever Temperature 249 - 293 °C Widdle Temperature 249 - 293 °C Widdle Temperature 249 - 293 °C	RoHS Compliance	Contact manufacturer		
Particle Processing Method Injection molding Physical Nominal Value Unit Test Method Specific Gravity 1.05 g/cm³ ASTM D792 Molding Shrinkage - Flow (3.18 mm, njection Molded) 1.1 - 1.8 % ASTM D955 Water Absorption (23°C, 24 hr) 0.050 % ASTM D570 Hardness Nominal Value Unit Test Method Durometer Hardness (Shore A) 90 ASTM D240 Elastomers Nominal Value Unit Test Method Presile Strength (Break) 10.0 MPa ASTM D412 Fersile Elongation (Break) 300 % ASTM D412 Fersile Elongation (Break) 300 % ASTM D412 Fersile Elongation (Break) No Break ASTM D412 Fersile Elongation (Break) ASTM D412 Fersile Elongation (Break) No Break ASTM D412 Fersile Elongation (Break) Unit Test Method Fersile Elongation (Break)	Appearance	Black		
Processing Method Injection molding Physical Nominal Value Unit Test Method Specific Gravity 1.05 g/cm³ ASTM D792 Molding Shrinkage - Flow (3.18 mm, njection Molded) 1.1 - 1.8 % ASTM D955 Mater Absorption (23°C, 24 hr) 0.050 % ASTM D570 Hardness Nominal Value Unit Test Method Durometer Hardness (Shore A) 90 ASTM D2240 Elastomers Nominal Value Unit Test Method Fersile Strength (Break) 10.0 MPa ASTM D412 Fersile Elongation (Break) 300 % ASTM D412 Fersile Elongation (Break) 300 % ASTM D412 Fersile Elongation (Break) No Break ASTM D256 John Otched Izod Impact (3.18 mm, Injection Molded) No Break ASTM D256 John Otched Izod Impact (3.18 mm) No Break ASTM D256 John Otched Izod Impact (3.18 mm) No Break ASTM D257 Volume Resistivity 1.0E+6 ohms - cm ASTM D257		Natural color		
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Specific Gravity 1.05 g/cm³ ASTM D792	Processing Method	Injection molding		
Molding Shrinkage - Flow (3.18 mm, njection Molded) 1.1 - 1.8 % ASTM D955 Water Absorption (23°C, 24 hr) 0.050 % ASTM D570 Hardness Nominal Value Unit Test Method Durometer Hardness (Shore A) 90 ASTM D2240 Elastomers Nominal Value Unit Test Method Fensile Strength (Break) 10.0 MPa ASTM D412 Fensile Elongation (Break) 300 % ASTM D412 Impact Nominal Value Unit Test Method Notched Izod Impact (3.18 mm, Injection Molded) No Break ASTM D256 Unnotched Izod Impact (3.18 mm) No Break ASTM D4812 Electrical Nominal Value Unit Test Method Surface Resistivity 1.0E+6 ohms cm ASTM D257 Volume Resistivity 1.0E+3 ohms cm ASTM D257 Additional Information Static Decay MIL-PRF-81705D, FTMS-4046.1: <2 sec	Physical	Nominal Value	Unit	Test Method
	Specific Gravity	1.05	g/cm³	ASTM D792
Water Absorption (23°C, 24 hr) 0.050 % ASTM D570 Hardness Nominal Value Unit Test Method Durometer Hardness (Shore A) 90 ASTM D2240 Elastomers Nominal Value Unit Test Method Fensile Strength (Break) 10.0 MPa ASTM D412 Fensile Elongation (Break) 300 % ASTM D412 Impact Nominal Value Unit Test Method Notched Izod Impact (3.18 mm, Injection Molded) No Break ASTM D256 Unnotched Izod Impact (3.18 mm) No Break ASTM D4812 Electrical Nominal Value Unit Test Method Surface Resistivity 1.0E+6 ohms - cm ASTM D257 Volume Resistivity 1.0E+3 ohms - cm ASTM D257 Additional Information Static Decay MIL-PRF-81705D, FTMS-4046.1: <2 sec	Molding Shrinkage - Flow (3.18 mm,			
Nominal Value Unit Test Method Durometer Hardness (Shore A) 90	•			
Nominal Value Unit Test Method Test	Water Absorption (23°C, 24 hr)	0.050	%	ASTM D570
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Molded) No Break ASTM D256 Unnotched Izod Impact (3.18 mm) No Break Unit Test Method Electrical Nominal Value Unit Test Method Surface Resistivity 1.0E+6 ohms ASTM D257 Volume Resistivity 1.0E+3 ohms·cm ASTM D257 Additional Information Static Decay MIL-PRF-81705D, FTMS-4046.1: <2 sec Injection Nominal Value Unit Rear Temperature 249 - 293 °C Widdle Temperature 249 - 293 °C Front Temperature 249 - 293 °C	Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (3.18 mm) No Break Flectrical Nominal Value Unit Test Method ASTM D257	Notched Izod Impact (3.18 mm, Injection			
Electrical Nominal Value Unit Test Method Surface Resistivity 1.0E+6 ohms ASTM D257 Volume Resistivity 1.0E+3 ohms·cm ASTM D257 Additional Information Static Decay MIL-PRF-81705D, FTMS-4046.1: <2 sec Injection Nominal Value Unit Rear Temperature 249 - 293 °C Widdle Temperature 249 - 293 °C Front Temperature 249 - 293 °C				
Surface Resistivity 1.0E+6 ohms ASTM D257 Additional Information Static Decay MIL-PRF-81705D, FTMS-4046.1: <2 sec njection Nominal Value Unit Rear Temperature 249 - 293 °C Front Temperature 249 - 293 °C	Unnotched Izod Impact (3.18 mm)	No Break		ASTM D4812
Additional Information Static Decay MIL-PRF-81705D, FTMS-4046.1: <2 sec Injection Nominal Value Unit Rear Temperature 249 - 293 °C Middle Temperature 249 - 293 °C Front Temperature 249 - 293 °C	Electrical	Nominal Value	Unit	Test Method
Additional Information Static Decay MIL-PRF-81705D, FTMS-4046.1: <2 sec Injection Nominal Value Unit Rear Temperature 249 - 293 °C Middle Temperature 249 - 293 °C Front Temperature 249 - 293 °C	Surface Resistivity	1.0E+6	ohms	ASTM D257
Static Decay MIL-PRF-81705D, FTMS-4046.1: <2 sec njection Nominal Value Unit Rear Temperature 249 - 293 °C Middle Temperature 249 - 293 °C Front Temperature 249 - 293 °C	Volume Resistivity	1.0E+3	ohms·cm	ASTM D257
Nominal Value Unit Rear Temperature 249 - 293 °C Middle Temperature 249 - 293 °C Front Temperature 249 - 293 °C	Additional Information			
Rear Temperature 249 - 293 °C Middle Temperature 249 - 293 °C Front Temperature 249 - 293 °C	Static Decay MIL-PRF-81705D, FTMS-4040	5.1: <2 sec		
Middle Temperature 249 - 293 °C Front Temperature 249 - 293 °C	Injection	Nominal Value	Unit	
Front Temperature 249 - 293 °C	Rear Temperature	249 - 293	°C	
	Middle Temperature	249 - 293	°C	
	Front Temperature	249 - 293	°C	
Mold Temperature 66.0 - 93.0 °C	Mold Temperature	66.0 - 93.0	°C	
njection Pressure 69.0 - 103 MPa	Injection Pressure	69.0 - 103	MPa	

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