



Rubber Ferrite



Magnetic Characteristics

Grade	Br	Br	Br	Hcb	Hcb	Hcj	Bhmax	Bhmax
	mT	KGs	Gauss	KA/m	KOe	Oersteds	KOe	KA/m
YZT9	200-220	2.0-2.2	2000-2200	127-151	1600-1900	159-215	7.6-9.6	0.95-1.20
YZT10N	210-230	2.1-2.3	2100-2300	151-175	1900-2200	>119	9.2-10.8	1.15-1.35
YZT11	230-250	2.3-2.5	2300-2500	163-187	2050-2350	>199	9.6-12.0	1.30-1.50
YZT11N	230-250	2.3-2.5	2300-2500	163-187	2050-2350	>199	9.6-12.0	1.30-1.50
YZT12	240-260	2.4-2.6	2400-2600	159-187	2000-2350	>175	11.2-12.4	1.45-1.65
YZT12N	230-250	2.3-2.5	2300-2500	171-191	2150-2400	>255	10.8-12.3	1.35-1.55



Grade	Br	Br	Br	Hcb	Hcb	Hcj	Bhmax	Bhmax
	mT	KGs	Gauss	KA/m	KOe	Oersteds	KOe	KA/m
YZT13	240-260	2.4-2.6	2400-2600	171-195	2150-2450	223-279	11.6-13.2	1.45-1.65
YZT13B	250-270	2.5-2.7	2500-2700	167-191	2100-2400	207-239	12.0-14.0	1.50-1.70
YZT13BN	240-260	2.4-2.6	2400-2600	167-191	2100-2400	207-239	12.0-13.7	1.45-1.65
YZT13BNF	245-265	2.45-2.65	2450-2650	167-195	2100-2450	215-279	12.0-13.6	1.50-1.70
YZT13N	240-260	2.4-2.6	2400-2600	171-195	2150-2450	223-279	11.6-13.2	1.45-1.65
YZT13H	240-260	2.4-2.6	2400-2600	171-195	2150-2450	279-334	11.6-13.2	1.45-1.65
YZT13HN	240-260	2.4-2.6	2400-2600	171-195	2150-2450	279-334	11.6-13.2	1.45-1.65
YZT13HNF	240-260	2.4-2.6	2400-2600	171-199	2150-2500	223-303	11.6-13.2	1.45-1.65
YZT14	255-275	2.55-2.75	2550-2750	167-183	2100-2300	>183	12.4-14.0	1.55-1.75
RFJ7	170	1.70	1700	104	1300	155	5.18	0.65
RF7	185	1.85	1850	112	1400	147	5.18	0.80
RFJ9	180	1.80	1800	115	1450	167	5.97	0.75
RF9	200	2.00	2000	119	1500	151	6.77	0.85
RFJ12	210	2.10	2100	143	1800	199	8.76	1.10
RF12	245	2.45	2450	167	2100	199	11.15	1.40
RFJ13	225	2.25	2250	155	1950	223	9.95	1.25
RF13	260	2.60	2600	179	2250	207	13.14	1.65
YNT-4	135-155	1.35-1.55	1350-1550	85-105	1130-1300	175-210	3.2-5.0	0.40-0.62
YNT-S5	165-180	1.65-1.80	1650-1800	90-105	1130-1300	135-160	4.5-5.8	0.56-0.72
YNT-B5	170-190	1.70-1.90	1700-1900	95-115	1200-1450	150-190	4.6-6.5	0.57-0.80
YNT-6.5	185-200	1.85-2.00	1850-2000	90-110	1130-1380	125-150	6.0-7.0	0.74-0.93
YNT-10	220-240	2.20-2.40	2200-2400	140-165	1760-2070	200-235	9.0-10.5	1.10-1.30



Grade	Br	Br	Br	Hcb	Hcb	Hcj	Bhmax	Bhmax
	mT	KGs	Gauss	KA/m	KOe	Oersteds	KOe	KA/m
YNT-11	230-250	2.30-2.50	2300-2500	145-165	1820-2070	190-225	9.5-11.0	1.18-1.36
YNT-13	250-270	2.50-2.70	2500-2700	175-190	2200-2400	200-230	11.5-14.5	1.42-1.80
YNT-15	270	2.7	2700	175-190	2200-2400	200-230	14.5	1.8

Thermal Characteristics

Grade	Max Operating Temp	Reversible Temp Coeff	Weight Reduction by Heat
	°C	%/°C	Br (TC a(Br) %/°C)
YZT9	-40-85	-0.18	<2.0
YZT10N	-40-100	-0.18	<2.0
YZT11	-40-85	-0.18	<2.0
YZT11N	-40-100	-0.18	<2.0
YZT12	-40-85	-0.18	<2.0
YZT12N	-40-100	-0.18	<2.0
YZT13	-40-85	-0.18	<2.0
YZT13B	-40-85	-0.18	<2.0
YZT13BN	-40-100	-0.18	<2.0
YZT13BNF	-40-100	-0.18	<2.0
YZT13N	-40-100	-0.18	<2.0
YZT13H	-40-85	-0.18	<2.0
YZT13HN	-40-100	-0.18	<2.0
YZT13HNF	-40-100	-0.18	<2.0



Grade	Max Operating Temp	Reversible Temp Coeff	Weight Reduction by Heat
	°C	%/°C	Br (TC a(Br) %/°C)
YZT14	-40-85	-0.18	<2.0

Mechanical/Physical Characteristics

Grade	Density	Elongation	Hardness
	g/cm3	lbs/in2	OHM cm
YZT9	3.50-3.65	>30	30-50
YZT10N	3.60-3.75	>20	30-45
YZT11	3.65-3.80	>30	30-50
YZT11N	3.60-3.75	>20	30-45
YZT12	3.65-3.80	>30	30-50
YZT12N	3.60-3.75	>20	30-45
YZT13	3.65-3.80	>30	30-50
YZT13B	3.65-3.80	>30	30-50
YZT13BN	3.60-3.75	>20	30-45
YZT13BNF	3.55-3.70	>20	30-50
YZT13N	3.60-3.75	>20	30-45
YZT13H	3.60-3.75	>20	30-45
YZT13HN	3.60-3.75	>20	30-45
YZT13HNF	3.55-3.70	>20	25-45
YZT14	3.65-3.80	>30	30-50





MSDS

Section 1 - Product Name

Product Name: Strontium Ferrite-Rubber Composite

Section 2 - Hazardous Ingredients

Chemical Name: SrFe₁₂O₁₉ & Polymer

Material/Component(s):

Material or Component	Weight %	CAS No.	ACGUH TLV (mg/m ³)
Lead oxide (PbO)	<4	1317-36-8	30 ug/m ³

Section 3 - Physical Characteristics

Vapor Pressure: No Vapors

Vapor Density: N/A

Specific Gravity: 3.6

Melting Point: Does not melt

Evaporation Rate: N/A

Odor: No odor

Solubility in Water: Insoluble

Section 4 - Fire and Explosion Hazard Data

Flash Point: N/A

FLAMMABLE LIMITS: N/A

LEL: N/A

UEL: N/A

Extinguishing Media: Water Spray

Special Fire Fighting Procedures: Not necessary

Unusual Fire and Explosion Hazards(s): N/A

Section 5 - Reactivity Data

Stability: Stable

Conditions to Avoid: N/A



Incompatibility (Materials to Avoid): None known

Hazardous Polymerization: Will not polymerize

Hazardous Decomposition or Byproducts : May give off some strontium, lead or ferric chloride fumes if heated above 570 degrees.

Section 6 - Health Hazard Data

Route(s) of Entry: Skin / Eyes

Health Hazards (Acute & Chronic): N/A

Carcinogenicity: N/A

Signs and Symptoms of Exposure: N/A

Medical Conditions Generally Aggravated by Exposure: N/A

Emergency and First Aid Procedures:

Procedure For	Procedure
Skin	Wash hands with soap and water.
Eyes	Flush eyes with copious amounts of water.

Section 7 - Precautions for Safe Handling and Use

Spill Procedure: Material may be magnetized.

Waste Disposal Method: Usual solids disposal per Federal, State, & Local codes.

Precautions to be taken in Handling and Storing: N/A

Section 8 - Control Measures

Respiratory Protection: Not known to be necessary.

Eye Protection: N/A

Skin Protection: N/A

Ventilation: Mechanical

Work / Hygienic Practices: N/A