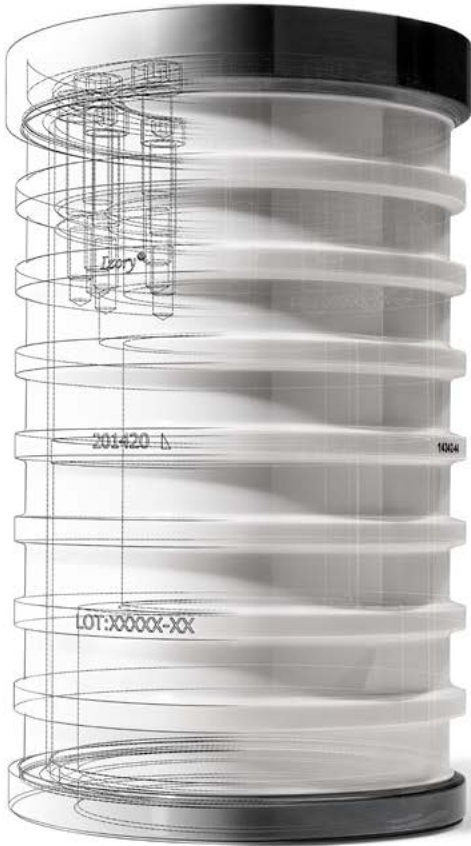


Have you benchmarked your supplier?

Izory® designed to keep you running



- ✓ Increase Wire Production
- ✓ Reduce Operating Costs
- ✓ Improve Wire Quality



TESTIMONIALS

“The quotation process is quick, the delivery is as promised and the quality is second to none. Refractron gives General Cable an advantage manufacturing quality wire.”

Tim Jensen, Senior Engineer, **General Cable**

“Refractron spent a whole day tearing apart drawing equipment and taking measurements to ensure we got exactly what we needed.”

John Williams, Process Engineer, **Draka Cableteq USA – A Prysmian Company**

“The cost-quality relationship, which is critical to completing projects on budget and fulfilling long-term expectations for continued profitability, has been excellent.”

Dave Sherwood, Project Engineer, **International Wire Group, Inc.**

“Refractron’s response is very quick—often same day. Delivery times are faster than other suppliers I’ve worked with. I have always been happy with the customer service.”

Tim Walter, Spare Parts Sales & Service Manager - **SAMP USA**

1.315.331.6222
sales@refractron.com
www.refractron.com

5750 Stuart Avenue,
Newark, NY 14513, USA

Official **SAMP** certified rolls



Have you benchmarked your supplier?

Izory® designed to keep you running



- ✓ **Guaranteed quality:**
 - Izory® is the best MgPSZ/TTZ available.
 - Laser marking provides inventory control and traceability
 - 100% inspection ensures proper fit, polish and mechanical durability
- ✓ **Responsive service:**
 - Same day quotes
 - On-site support
 - Short lead-times
- ✓ **Experience:**
 - Izory® is on SAMP, Niehoff, Endex, Synco, Vaughn, Henrich, Sictra, Schmidt and MFL-Frigeo
 - Applications: drawing rolls/cones, guides, eyelets, pulleys, air wipes, enameling dies & straighteners
 - Manufacturing precise metal carriers
- ✓ **Made in the USA**



TECHNICAL PROPERTIES (MgPSZ)

COLOR	Ivory	MODULUS OF RUPTURE 4pt MOR [MPa] ASTM E1876-99	575
CHEMISTRY: ZrO ₂ + HfO ₂ + MgO [%]	99.5	HARDNESS VICKERS [HV1] ASTM C1327-08	1150
DENSITY [g/cm ³] ISO 18754	5.75	POISSON RATIO ASTM E1876-99	0.31
WATER ABSORPTION ASTM-373	Nil	COMPRESSIVE STRENGTH [MPa] ASTM C773	1760
GRAIN SIZE [μm] ASTM E-112	70	THERMAL CONDUCTIVITY RT [W/m K] ASTM C408	2.50
FRACTURE TOUGHNESS K _{IC} [MPa ^{1/2}] ASTM G174	10.1	COEFFICIENT OF THERMAL EXP. x10 ⁶ /°C [25-1000 °C] ASTM C372 ..	10.2
LOOP ABRASION [mm ³] ASTM G174 (d)	0.150	MAXIMUM USE LIMIT [°C] ISO 18754	500
MODULUS OF ELASTICITY MOE [GPa] ASTM E1876-99	214		

NOTES: Typical values are not intended to be used as a specification. Contact Refractron for application suitability.

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