

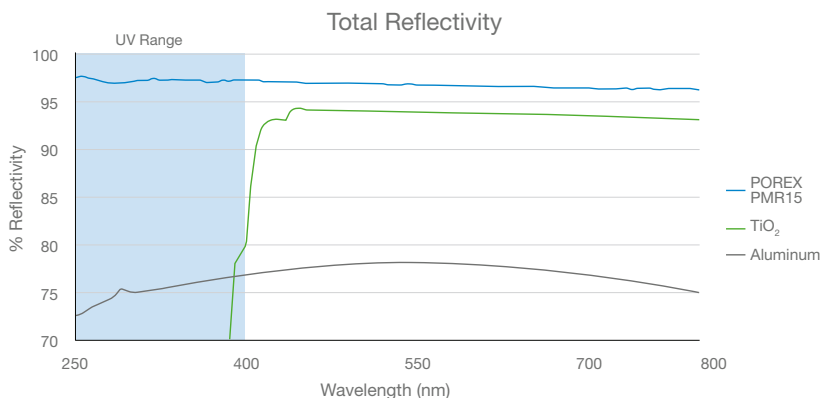
POREX VIRTEK® PTFE SOLUTIONS

for Uniform UV and Visible Light Reflectivity

Maximize UV for Disinfection Applications

POREX Virtek® sintered PTFE are ideal for ultraviolet light reflectivity. With over 97% average reflectance from 250nm to 400nm, POREX Virtek pure PTFE reflectors can maximize disinfection rates and minimize system cost.

Outstanding Ultraviolet Reflectivity



NOTE: Stainless steel below 50% reflectivity

Maximizing Disinfection with UV chambers

It is useful to maximize energy usage to more thoroughly disinfect water in a chamber or conduit. UV photons are recycled in a PTFE-lined chamber; the light is reflected to maximize disinfection in a tube, trough or chamber. Because POREX Virtek PTFE reflects diffusely, the UV energy is spread, and the entire volume and all surfaces are evenly irradiated.

Key Applications



Water and Air Disinfection



Surface Sterilization



UV Curing

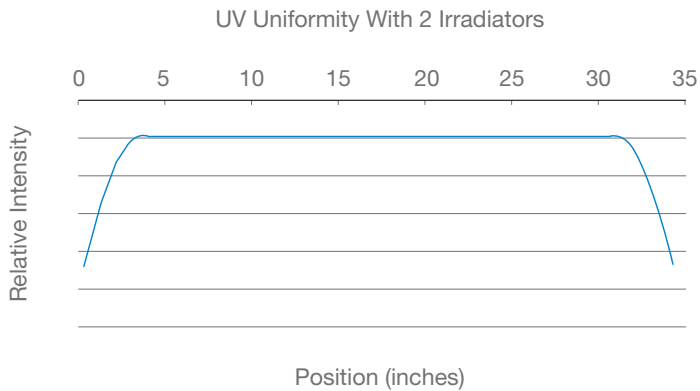


Medical Phototherapy

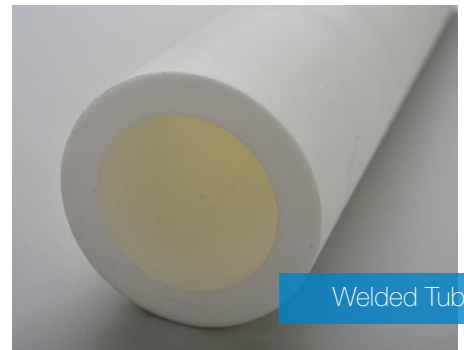
Eliminate Hot and Cold Spots

POREX Virtek® sintered PTFE has almost perfect diffuse reflectance. Since light is scattered in all directions, the UV light can be spread evenly across a surface, thereby eliminating cold spots where bacteria may survive.

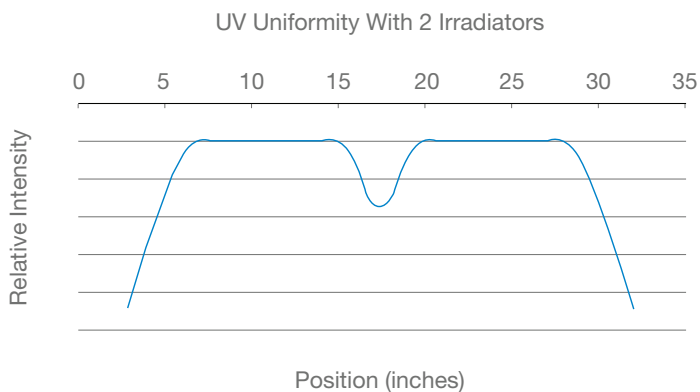
POREX® Diffuse Reflectors



Uniform light intensity



Metallic Parabolic Reflectors



Areas of diminished light intensity

* Graph data is based on theoretical irradiance patterns of two point bulbs.

About Porex

Porex is a global leader in developing custom-engineered porous polymer solutions that become high-value functional components in our customers' products. Our material solutions leverage a variety of porous plastic technologies, including sintered particles, bonded fiber and open-cell foam. By

combining our material science expertise in absorption, diffusion, filtration, wicking and venting with our global manufacturing capability, we help manufacturers in healthcare, consumer, electronic, and industrial industries turn their product ideas into reality.

For POREX Virtek product inquiries and support, please contact +44 (0) 1349 884060 or email PorcxVirtek@filtrationgroup.com

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