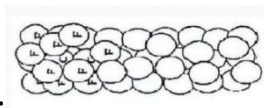


PTFE protects the progress of human civilization

——The monologue of a little prince

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In 1938, an American scientist Royplukett accidentally found him in the laboratory, but the scientists did not know who he was, what ability he had, so he threw him into sulfuric acid, into caustic soda, and even into the "king water", he was safe, scientists are curious, who he was, why he has so much ability? So the scientist gave him a physical



examination, and he looked like this:

The peripheral fluorine atoms spiral wrapped around the carbon atoms, so that the carbon atoms can be free from all kinds of harsh environments, do "poison". Based on his superior performance, American scientists gave him the name, called Teflon, commonly known as the "plastic King", called himself "the little prince".

Coincides with the second world war, the world is in the shadow of war, the United States "Manhattan project" is also tight, urgent need to find a super corrosion resistant material supply processing uranium hexafluorequipment use, this time the scientists thought of the little prince, so the little prince officially on the stage of human civilization.

With the smooth implementation of the Manhattan Project, the Second World War soon ended. People who were separated from the war realized that mutual death is not the theme of human civilization,

and mankind also yearn to look up to the sky and explore the universe.

Since the 1960s, scientists began experimenting with various aerospace programs. The little prince has a super low temperature resistance, not even in the -196°C environment, so he combined with the fiberglass to make a space suit to protect the astronauts from low temperatures in the universe. The little prince has very low dielectric loss and excellent waterproof, so the scientists put him with "PI" compound together, and give the material took a very meaningful name "OASIS", oasis in the desert, and have human civilization of the earth is the vast oasis in the desert, scientists put the material as a wire and cable external insulation protective layer, to soar in the space of the spacecraft and information with people on the earth.

Of course, in real life, because of his anti-stick properties, people also use him as a non-stick pan coating, making food easier to cook, but away from food is never the little prince's pursuit, the coating can be replaced by other materials.

In the 21st century, the little prince has displayed his talents in all walks of life with his outstanding skills. In the field of clothing, as a storm suit, he has the ability to waterproof and breathable, which can protect the mountaineering explorers, polar research team members and even everyone in him. In the medical field, he has no rejection reaction with human body. He is the perfect material for heart flap, heart occluder,

vascular stent and medical catheter. In the field of environmental protection, he has the ability to remove dust, and intercept dust, thus achieving nearly zero emission of dust particles. In the field of energy saving, in the face of corrosive high temperature flue gas, he turned into a heat exchange pipe to make a waste heat reuse heat exchanger, which greatly reduces the energy loss. In the field of semiconductor, he serves as an anti-corrosion lining material to protect all kinds of pure chemicals from pollution, so that human beings can enjoy the comfortable life brought by scientific and technological progress.

In the future, the little prince and his brothers and sisters will continue to protect the sustainable development of human civilization, they will be the protective layer of low delay cable in 5G communication era, for human barrier-distance communication service; they will be the support material of hydrogen fuel cell proton exchange membrane, is the core material of solar photovoltaic back film, lithium ion energy storage battery adhesive, green energy services for human; they will also be sealing materials, signal transmission materials, etc., for human civilization towards the universe.

As scientists gave the little prince, he used to protect carbon with fluorine, and scientists used fluoropolymers to protect carbon-based life.