

Denka Developed New Special High Heat-Resistant Acrylic Elastomer for Automobiles
~ Achieved High Heat-Resistance of Approximately 190°C ~



<Newly Developed High Heat-Resistant Acrylic Elastomer>

Denka Company Limited (headquarters: Chuo-ku, Tokyo; president: Manabu Yamamoto; hereinafter “Denka”) hereby announces that it has developed a new, special elastomer as part of the growth strategy formulated in its Denka Value-Up management plan to accelerate the growth of specialty businesses in a bid to shift its business portfolio. This elastomer is acrylic-based and achieves a high level of heat resistance.

In recent years, in response to the growth of environmental regulations worldwide, the automobile market has been drawing attention from diesel vehicles to gasoline vehicles equipped with turbo functions, along with the trend toward electric motorization. In gasoline vehicles, downsizing of engines has been promoted to further reduce environmental impact, and rubber for turbo hoses is required to be excellent in heat-resistance to enable high output.

Following the need for highly heat-resistant rubbers under environment regulations, this special elastomer newly developed this year has achieved high heat-resistance at approximately 190°C, which has been difficult to reach as an acrylic elastomer. While maintaining excellent conventional performance such as oil resistance, by applying and deepening the polymer design technology with precise polymerization and formulation technology cultivated through the acrylic special rubber Denka ER® (*1), Denka has attained to reach a high level of heat-resistance.

We will continue to contribute to the realization of a sustainable society by creating new value through the development of products and utilizing our original technologies.

*1 Denka ER®, a Denka Co., Ltd. registered trademark.

This special acrylic rubber is originally developed based on a copolymer of ethylene, vinyl acetate and acrylic acid ester, and is used in automobile hoses and gaskets for its excellent heat-resistance and oil-resistance.

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