

ICS 71.080.99
CCS G15

HG

**CHEMICAL INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

HG/T 6451-2026

Optical functional films - Diffuser on prism film (DOP)

光学功能薄膜 扩散-棱镜复合膜 (DOP)

(English Translation)

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Foreword

HG/T 6451-2026 is a recommended industry standard of the People's Republic of China in the Chemical Industry sector, approved and issued by the Ministry of Industry and Information Technology on 16 April 2026, with effect from 1 November 2026.

It is administered by the National Technical Committee for Optical Functional Film Materials Standardization.

Classification: ICS 71.080.99; CCS G15.

1 Scope

The document sets out the requirements for the diffuser-on-prism composite film, abbreviated DOP, together with its test methods, inspection rules, marking, packaging, transport and storage. It applies to DOP composite films made on a base of polyethylene terephthalate (PET) film for use in the flat panel display industry. The film joins a diffusing layer and a prism layer in a single optical product, and the standard gives a common basis for specifying and checking it.

Manufacturers of optical films use it to define their product, display makers use it when buying and accepting the film, and test laboratories use it to carry out the specified tests. It is a voluntary standard, shown by the /T in the code. The Ministry of Industry and Information Technology issued it on 16 April 2026, and it takes effect on 1 November 2026. It is a new standard with no earlier edition to replace.