

Pyridazine sulfur-containing diamine APP

– High refractive index resin raw materials –

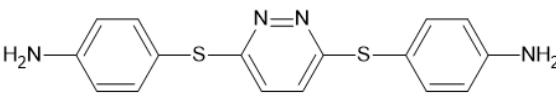
Product Diamine compounds containing pyridazine and sulfur

Application High refractive index resin (e.g., optical waveguides and antireflective coatings)

Feature High refractive index

BACKGROUND JMTC has concluded a license agreement to commercialize monomers for high refractive index resins developed by JSR and Tokyo Institute of Technology.

PRODUCT OVERVIEW APP is a diamine compound containing pyridazine and sulfur. It can be used as a raw material for high refractive index polyimide. By polymerizing with various tetracarboxylic dianhydride, it is expected to be used as a polyimide resin with transparency, high refractive index, low birefringence, and heat resistance.

Chemical name	3,6-Bis(4-aminophenylsulfanyl) pyridazine	
Molecular formula	$C_{16}H_{14}N_4S_2$	<p>< structure ></p> 
Molecular weight	326.4	
Appearance	White ~ pale yellow powder	

PRODUCT FEATURE

High refractive index

Refractive index: 1.7499
(Measured at 633nm,
Synthesis example of polyimide)

High heat resistant

T_g 197°C, T_{d10}>460°C
(Synthesis example of polyimide)

Low birefringence

Δn 0.0075
(Measured at 633nm,
Synthesis example of polyimide)

Contact information