

Synthesis and Characterization of Novel Polyamide-imides Containing Thioether Linkages, Thiazole, and Nitrophenyl Units with High Solubility and Processability for Optical Film Applications

Aazam Jalali *

Department of Organic and Polymer Chemistry, Faculty of Chemistry, Kharazmi University, Tehran, Iran

Editor's note: Polyamide-imides (PAIs) are remarkable polymers that merge the beneficial properties of both polyamides and polyimides, making them suitable for various applications. Jalali synthesized a novel diimide-diacid monomer and utilized it to develop several sulfur-containing PAIs with high processability and solubility for optical film applications.

doi: 10.22034/jams.2025.210133

How to cite: A. Jalali. *Journal of Applied Material Science*, 2025, 1, 210133.



JOURNAL OF
APPLIED
MATERIAL
SCIENCE

jams.hsu.ac.ir