

Uses:	<p>Daikin EFEP (E<u>thylene</u> F<u>luorinated</u> E<u>thylene</u> P<u>ropylene</u>) copolymer powders possess a low coefficient of friction, high heat resistance, chemical resistance, electrical properties, non-sticking properties, and a low melting temperature.</p> <p>Typical uses: Injection molding parts, mono- and multi-layer tubing, mono- and multi-layer films, bottles and containers.</p>
Physical and Chemical Properties:	<p>Daikin EFEP has chemical resistance similar to ETFE and can be affected by very strong oxidizing acids, chlorocarbons, ketones, esters, molten alkali metals, interhalogen compounds, some amines, and finely divided metallic powder or filler.</p> <p>These resins have a high transparency and adhere well to many kinds of plastics and inorganic materials (glass, metals) without adhesive or etching.</p>
Health and Environmental Effects:	<p>Fluoropolymers are known for chemical stability and low reactivity. These materials have demonstrated little if any toxicological activity.</p> <p>The powder may form combustible dust concentrations in air. Excessive airborne concentrations of the powder may cause reduced visibility and irritation to the eyes, skin and upper respiratory track. If smoking tobacco becomes contaminated by this material, exposure to toxic gases through inhalation can occur.</p>
Exposure Effects of Decomposition Products:	<p>When EFEP is processed at temperatures above 150°C, hydrogen fluoride and other toxic fluorinated compounds may be produced. Inhalation of these compounds may result in serious lung irritation and must be avoided.</p>
Processing Precautions:	<p>Ovens, process equipment and working area must be adequately ventilated. Normal full clean room clothing should be worn, as well as safety glasses with side shields or goggles.</p>
Additional Resources:	<p>SDS are available upon request.</p> <p>Guide to the Safe Handling of Fluoropolymer Resins, published by SPI (The Safety of Plastics Industry)</p> <p>Daikin Product Information</p>
Date of Issue:	<p>May 13, 2009</p>