

# PRODUCT DATA SHEET

## Sealant DK-FR-P4E self-extinguishing



Thermoplastic, elastic, pressure sensitive sealant, for melt processing. Sealant DK-FR-P4E is designed for processing with a extruder.  
**The material is self-extinguishing.**

### ■ STRUCTURE

Is a solventless sealant based on butyl rubber (IIR) and polyisobutylene (PIB) characterized with good adhesion to most surfaces.

### ■ SPECIAL ADVANTAGES

Fully amalgamating.  
 Resistant to short term high temperature exposure.  
 Is resistant to atmospheric conditions and aging.

### ■ AREA OF APPLICATION

Sealant DK-FR-P4E has a wide range of applications, for example, in sealing cable harness joints. Thanks to excellent tackiness, it finds application in the production of various adhesive tapes of aluminum, foil, PE, non-woven fabric, in lap joints, PE film joints, contact corrosion protection between different metals and building surface connections.

### ■ FORMS OF DELIVERY

Packing	Net weight (kg)
Slugs on pallet	750 ± 50

### ■ PROPERTIES DK-FR-P4E

Property	Unit	Typical value
Color	---	red
Specific gravity (20°C)	g/cm <sup>3</sup>	1,50 - 1,60
Penetration (Cone 150 g, 20°C, 5 s)	1/10 mm	50 - 70
Peel resistance (300 mm/min, 23°C, steel)	N/24 mm	> 25
Solids content (110°C)	%	> 99
Melt flow index (5 kg, 140°C)	ml/10 min	>55
Processing temperature	°C	80 - 120
Working temperature	°C	-40 to +105 (to 1 hour 200°C)
Extruder zones and extrusion heads should be equipped with temperature regulation. Recommended processing temperature should be in range of 80 - 120°C, temperature 160°C should not be exceeded due to possible material degradation. Before starting to work with the material, it is suggested to read the Material Safety Datasheet to see recommended working and safety conditions. Material should be protected from organic solvents like oil or mineral spirits.		

■ **It is possible to produce the material according to the declared characteristics.**

### ■ PACKAGING, STORAGE AND TRANSPORTATION

**Packaging:** plastic / carton, packing is not returned after use.

**Storage:** in original packaging, in a dry place without load in a horizontal position, in warehouses, open areas under a canopy, protected from sunlight and atmospheric precipitation. When storing the **Sealant DK-FR-P4E** and transporting it to the work site, store and transport in an horizontally position. Transportation and storage at a distance of at least 1 m from heat sources.  
 Shelf life in original packaging is ≥12 months from the date of manufacture.  
 Storage temperature: from +10°C to +30°C.

**Transportation:** on pallets, in original packaging, by all means of transport.

### ■ CONSULT WITH US FOR SPECIFIC PROJECTS OR UNIQUE OFFERINGS

The product information shown here our application recommendations and other product related documents are made for your convenience only. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection therewith.

All information contained in this document is to be used as a guide and does not constitute a warranty of specification. The information contained in the document is subject to change without notice.

For this reason, no liability can be accepted for inaccurate advice or any failure to provide advice. The user is responsible for checking the applications of the product and verifying its suitability for the intended use.

This is the original translation of product information from the english language.

In case of any discrepancy or any dispute arising on the interpretation of this product information, the english text of the respective english product information, which is available at [www.dkd-korporacja.com](http://www.dkd-korporacja.com), shall be decisive.

The legal relationship shall be governed by Polish law.

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