

## THERMOLAST® K TP9CDB (Series: EX)

KRAIBURG TPE - *Thermoplastic Elastomer*

### General Information

#### Product Description

The EX series is your material solution for indoor extrusion applications. The compounds are available in black and natural colors. Natural color variants can be colored in many different ways.

#### Typical applications

- Profiles for furniture
- Edge guards
- Seals for doors
- Distance profiles

#### Material advantages

- Adhesion to PP
- Halogen-free (according to IEC 61249-2-21)
- Resistance to acrylic paints
- Weldable (Infrared & Mirror)
- Alternative material to PVC-P
- In-process recycling possible
- No interaction with other materials (e.g. PVC-U, PP, PS, ABS, POM, PA, PC, PMMA)

#### General

|                   |                        |                       |                 |
|-------------------|------------------------|-----------------------|-----------------|
| Material Status   | • Commercial: Active   |                       |                 |
| Availability      | • Africa & Middle East | • Latin America       | • North America |
|                   | • Europe               |                       |                 |
| Features          | • Good Adhesion        | • Recyclable Material |                 |
|                   | • Halogen Free         | • Weldable            |                 |
| Uses              | • Furniture            | • Profiles            | • Seals         |
| Appearance        | • Natural Color        |                       |                 |
| Processing Method | • Extrusion            | • Injection Molding   |                 |

### Properties <sup>1</sup>

| Physical                                | Nominal Value | Unit              | Test Method |
|-----------------------------------------|---------------|-------------------|-------------|
| Density                                 | 1.16          | g/cm <sup>3</sup> | ISO 1183    |
| Elastomers                              | Nominal Value | Unit              | Test Method |
| Tensile Stress <sup>2</sup> (Break)     | 725           | psi               | ISO 37      |
| Tensile Elongation <sup>2</sup> (Break) | 450           | %                 | ISO 37      |
| Tear Strength <sup>3</sup>              | 160           | lbf/in            | ISO 34-1    |
| Compression Set <sup>4</sup>            |               |                   | ISO 815     |
| 73°F, 72 hr                             | 47            | %                 |             |
| 158°F, 24 hr                            | 73            | %                 |             |
| Hardness                                | Nominal Value | Unit              | Test Method |
| Shore Hardness (Shore A)                | 88            |                   | ISO 48-4    |

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Type S2, 7.9 in/min

<sup>3</sup> Method Bb, Angle (Nicked)

<sup>4</sup> Method A

