

**PRODUCT INFORMATION**

General Grade 72D

**KOPEL<sup>®</sup> KP3372**

Polyester Elastomer Resin, General Grade 72D

| Property                                                                            | Test Method | Units              | Value  |
|-------------------------------------------------------------------------------------|-------------|--------------------|--------|
| <b>Physical</b>                                                                     |             |                    |        |
| Specific Gravity                                                                    | ASTM D792   | -                  | 1.27   |
| Melt Index 240 °C * 2160g                                                           | ASTM D1238  | g/10min            | 36     |
| Shrinkage                                                                           | ASTM D955   | %                  | 1.75   |
| Water Absorption 23 °C, Equilibrium 60%RH                                           | ASTM D570   | %                  | 0.3    |
| <b>Thermal</b>                                                                      |             |                    |        |
| Melting Point                                                                       | ASTM D3418  | °C                 | 218    |
| Heat Deflection Temperature under Load<br>HDT/A 0.45 MPa ( 4.6 kg/cm <sup>2</sup> ) | ASTM D648   | °C                 | 148    |
| Solenoid Brittle Point                                                              | ASTM D746   | °C                 | -65    |
| Flammability                                                                        | UL 94       |                    | HB     |
| <b>Mechanical</b>                                                                   |             |                    |        |
| Tensile Strength 23 °C                                                              | ASTM D638   | kg/cm <sup>2</sup> | 410    |
| Tensile Elongation 23 °C                                                            | ASTM D638   | %                  | 410    |
| Flexural Modulus 23 °C                                                              | ASTM D790   | kg/cm <sup>2</sup> | 13,400 |
| Notched Izod Impact Strength 23 °C                                                  | ASTM D256   | kg cm/cm           | 12.2   |
| -40 °C                                                                              | ASTM D256   | kg cm/cm           | 4.8    |
| Hardness, Durometer                                                                 | ASTM D2240  | SHORE D-Type       | 72     |
| Abrasion Resistance CS-17 Wheel                                                     | ASTM D1044  | mg/1,000 cycles    | 10     |
| Resilience                                                                          |             | %                  | -      |

The information provided in this data sheet is based on our present state of knowledge and is estimated by KOLON PLASTICS, Inc. This information should not be used as guaranteeing specification limits. KOLON PLASTICS, Inc. make no warranty and liability in connection with any use of this information.

**KOLON PLASTICS, Inc.**

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