

# Telcar® TL-2363H

Thermoplastic Elastomer

Teknor Apex Company

## Message:

Telcar®TL-2363H is a thermoplastic elastomer (TPE) material. This product is available in North America and is processed by extrusion or injection molding.

Typical application areas include:

- Wire and cable
- textile/fiber
- engineering/industrial accessories
- Furniture
- building applications

| General Information                                         |                             |                   |             |
|-------------------------------------------------------------|-----------------------------|-------------------|-------------|
| Uses                                                        | Floor Material              |                   |             |
|                                                             | Wire and cable applications |                   |             |
|                                                             | Washer                      |                   |             |
|                                                             | Textile applications        |                   |             |
|                                                             | Furniture                   |                   |             |
|                                                             | General                     |                   |             |
| Appearance                                                  | Natural color               |                   |             |
| Forms                                                       | Particle                    |                   |             |
| Processing Method                                           | Extrusion                   |                   |             |
|                                                             | Injection molding           |                   |             |
| Physical                                                    | Nominal Value               | Unit              | Test Method |
| Specific Gravity                                            | 1.17                        | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)                    | 8.0                         | g/10 min          | ASTM D1238  |
| Hardness                                                    | Nominal Value               | Unit              | Test Method |
| Durometer Hardness (Shore A)                                | 86                          |                   | ASTM D2240  |
| Mechanical                                                  | Nominal Value               | Unit              | Test Method |
| Taber Abrasion Resistance (1000 Cycles, 1000 g, H-22 Wheel) | 1150                        | mg                | ASTM D1044  |
| Elastomers                                                  | Nominal Value               | Unit              | Test Method |
| Tensile Strength (Break)                                    | 8.62                        | MPa               | ASTM D412   |
| Tensile Elongation (Break)                                  | 550                         | %                 | ASTM D412   |
| Flammability                                                | Nominal Value               | Unit              | Test Method |
| Oxygen Index                                                | 23                          | %                 | ASTM D2863  |
| Injection                                                   | Nominal Value               | Unit              |             |
| Rear Temperature                                            | 171 - 193                   | °C                |             |
| Middle Temperature                                          | 177 - 199                   | °C                |             |
| Front Temperature                                           | 182 - 204                   | °C                |             |

|                        |               |      |
|------------------------|---------------|------|
| Nozzle Temperature     | 188 - 210     | °C   |
| Processing (Melt) Temp | 188 - 210     | °C   |
| Mold Temperature       | 25.0 - 65.6   | °C   |
| Injection Pressure     | 1.38 - 6.89   | MPa  |
| Injection Rate         | Moderate-Fast |      |
| Back Pressure          | 0.172 - 0.345 | MPa  |
| Screw Speed            | 50 - 100      | rpm  |
| Cushion                | 3.81 - 25.4   | mm   |
| Extrusion              | Nominal Value | Unit |
| Cylinder Zone 1 Temp.  | 166 - 188     | °C   |
| Cylinder Zone 2 Temp.  | 171 - 193     | °C   |
| Cylinder Zone 3 Temp.  | 177 - 199     | °C   |
| Cylinder Zone 5 Temp.  | 182 - 204     | °C   |
| Die Temperature        | 190 - 210     | °C   |
| Extrusion instructions |               |      |
| 螺杆转速30 - 100 rpm       |               |      |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT