

TECHNICAL DATA SHEET

Monprene® RG-20130 X

Teknor Apex Co.

TPE

Processing

Other extrusion

Delivery Form

Pellets

Additives

Lubricants

Special Characteristics

Translucent

Certifications

Food contact, Food approval FDA 21 CFR

Applications

Packaging

Product Text

Product Information

Preliminary Data

The Monprene RG-20100 series is a group of high performance thermoplastic elastomers specifically designed for extruded regulated applications including food contact, toys, and children's products. Monprene RG-20130 is a low density, low hardness grade that complies with various US FDA and European regulations and directives for food contact and toy safety and is suitable for extrusion.

Adheres to PP

| Processing/Physical Characteristics | Value | Unit | Standard |
|-------------------------------------|-------|-------------------|-------------|
| Melt flow index, MFI | 1 | g/10min | ASTM D 1238 |
| Temperature | 200 | °C | |
| Load | 5 | kg | |
| Mechanical Properties | Value | Unit | Standard |
| Tensile strength at break | 6.21 | MPa | ASTM D 412 |
| Elongation at break | 750 | % | ASTM D 412 |
| Shore A hardness, 15s | 30 | | ISO 7619-1 |
| Other Properties | Value | Unit | Standard |
| Density | 890 | kg/m ³ | ISO 1183 |

Monprene® RG-20130 X

Teknor Apex Co.

| Processing Recommendation | Extrusion | Value | Unit | Standard |
|---------------------------|-----------|-----------|------|----------|
| Pre-drying - temperature | | 65 | °C | |
| Pre-drying - time | | 2 - 4 | h | |
| Zone 1 | | 149 - 193 | °C | |
| Zone 2 | | 160 - 204 | °C | |
| Zone 3 | | 171 - 216 | °C | |
| Zone 4 | | 182 - 227 | °C | |
| Nozzle temperature | | 182 - 227 | °C | |