



FARRPRENE EF651

Styrenic Block Copolymer Thermoplastic Elastomer

Product Description

EF651 is a thermoplastic elastomer offering very high elongation capabilities combined with moderate mechanical strength. This grade provides excellent elastic performance while maintaining reasonable tensile properties. The controlled melt flow characteristics make it suitable for extrusion applications requiring consistent dimensional control.

Recommended Applications

- Elastic bands and straps
- Industrial flexible components
- Sealing profiles
- Specialty gaskets for irregular surfaces
- Elastic hinges and living hinge applications
- High-elongation weatherstripping
- Protective bellows and boots

Key Features

- Very high elongation capabilities
- Effective elastic memory and recovery properties
- Controlled melt flow for consistent processing
- Adequate tear resistance
- Suitable for co-extrusion applications
- Reliable fatigue life under cyclic loading
- Maintains properties across typical use temperatures

Typical Properties	Method	Unit	Value
Hardness	ISO 48	Shore A	65
Specific Gravity	ISO 1183		1.07
Tensile Strength	ISO 37	MPa	5.5
Elongation at Break	ISO 37	%	>800%
Melt Flow Index at 230°C - 2.16 Kg	ISO 1133	g/10min	0.08
Melt Flow Index at 190°C - 10 Kg	ISO 1133	g/10min	8.5

**This documentation reflects our current understanding as of the publication date. We may update it periodically should new data or insights become available. The values presented here are typical, derived from limited test samples, and are not intended to serve as a formal product specification. It is the responsibility of the customer and end user to determine, through their own testing, whether the material is suitable for a particular process or end-use, how it may interact with other components, and any related safety implications. Since, as the compound manufacturer, we are generally not informed about the product's eventual applications, possible interactions with other components, or any resulting safety concerns unless notified in advance, we do not permit the use of this compound in safety-critical applications without our explicit prior written approval.*

Packaging and Storage:

EF651 is supplied in standard 25 kg bags. To preserve its properties, store it in a clean, dry environment at ambient temperatures. Keep away from excessive heat, humidity, and direct sunlight. Proper storage maintains optimal product performance.