



# FARRPRENE IU45A

Styrenic Block Copolymer Thermoplastic Elastomer

**Product Description**

An unfilled TPE crafted for injection molding, providing a softer feel for applications focusing on comfort and flexibility. Its lower hardness range makes it suitable for products that require gentle elasticity and a pleasant tactile sensation.

**Recommended Applications**

- Injection molding applications
- Soft overmolds for consumer electronics, personal care items, or ergonomically designed products
- Protective caps and plugs that need easy deformation and secure fit
- Low-durometer seals or cushioning elements

**Key Features**

- Natural color
- Soft, Comfortable Touch: Ideal for products where user comfort is paramount
- Unfilled Composition: Simplifies processing and coloring
- High Elasticity: Offers excellent recovery and adaptability to varying shapes

Typical Properties	Method	Unit	Value
Hardness	ISO 48	Shore A	45
Specific Gravity	ISO 1183		0.6
Tensile Strength	ISO 37	MPa	4
Elongation at Break	ISO 37	%	>800%
Melt Flow Index at 230°C - 2.16 Kg	ISO 1133	gm/10min	2.5

*\*This documentation is based on our latest understanding as of its publication date and may be revised if new information emerges. The values provided are average rounded figures taken from a limited number of test samples; they are not intended to serve as formal product specifications. It is the sole responsibility of the customer and end user to conduct testing that determines the suitability of this material for a specific process or end-use, any interactions with other materials, and relevant safety considerations.*

*As the compound manufacturer, we generally remain unaware of all end-use applications, how they interact with other components, or any related safety issues unless this is discussed with us beforehand. Therefore, we do not authorize the use of this compound in safety-critical applications without our explicit prior written approval.*

**Packaging and Storage:**

IU45A 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.