

FARRPRENE IU65A2

Styrenic Block Copolymer Thermoplastic Elastomer

Product Description

FARRPRENE IU65A2 is an unfilled, injection-grade TPE-S engineered to deliver exceptional flexibility, durability, and precision in molded components. This material combines softness with structural integrity, making it ideal for intricate designs requiring high elasticity and resilience. Its inherent cold flexibility ensures reliable performance in low-temperature environments, while excellent flow properties enable consistent filling of complex molds.

Recommended Applications

- Injection molding applications
- Injection-molded seals, gaskets, and soft-touch components.
- Consumer goods requiring ergonomic grips or housings.
- Medical device parts needing purity and smooth surfaces.
- Flexible tubing and weatherstripping for low-temperature use.

Key Features

- Natural color
- High elasticity and cold-environment flexibility.
- Glossy, defect-free finish for aesthetic demands.
- Lightweight with easy processing for complex geometries.
- Recyclable and compatible with welding/multi-material bonding.
- Maintains performance under dynamic stress and temperature variations.

Typical Properties	Method	Unit	Value
Hardness	ISO 48	Shore A	65
Specific Gravity	ISO 1183		0.62
Tensile Strength	ISO 37	MPa	5
Elongation at Break	ISO 37	%	>800%
Melt Flow Index at 230°C - 2.16 Kg	ISO 1133	gm/10min	12

**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:

IU65A 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.