

FARRPRENE IF85A

Styrenic Block Copolymer Thermoplastic Elastomer

Product Description

An injection-grade TPE with a filler system, offering a firmer feel and added reinforcement. This material suits parts where durability, shape retention, and some level of elasticity are required, making it ideal for semi-rigid structures in consumer and industrial products.

Recommended Applications

Injection molding applications
Semi-rigid housings and protective covers that must withstand impact
Overmolded parts with a firmer outer shell and softer core material
Structural components needing a compromise between hardness and flexibility

Key Features

White Colored
Semi-Rigid Performance: Higher hardness ensures greater durability
Dimensional Stability: Filler imparts resistance to warping under load
Robust Mechanical Properties: Handles repetitive stress in a range of environments

Typical Properties	Method	Unit	Value
Hardness	ISO 48	Shore A	85
Specific Gravity	ISO 1183		0.75
Tensile Strength	ISO 37	MPa	12
Elongation at Break	ISO 37	%	>800%
Melt Flow Index at 230°C - 2.16 Kg	ISO 1133	gm/10min	21

**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:

IF85A 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.