

FARRPRENE IF45A

Styrenic Block Copolymer Thermoplastic Elastomer

Product Description

Farrprene IF45A is engineered for injection molding applications. It strikes a perfect balance between softness and durability, delivering a comfortable feel along with reliable mechanical strength. Its high elasticity allows for significant stretching without tearing, while its lightweight nature helps in producing parts with reduced overall weight. Moreover, it flows smoothly during processing, ensuring efficient, repeatable results in standard injection molding equipment.

Recommended Applications

Injection molding applications

Flexible consumer products, such as handles and grips, produced via injection molding

Soft-touch automotive components and household appliance parts

Protective caps, seals, and gaskets requiring both elasticity and ease of molding

Footwear or sports items that demand a comfortable feel combined with reliable resilience

Key Features

White color

Comfortable Flexibility: Soft enough to enhance user comfort, yet tough enough to resist wear

Lightweight: Reduces part weight without sacrificing durability

High Elasticity: Stretch and recovery capabilities help prevent tearing

Easy to Process: Flows readily under typical molding and extrusion conditions

Typical Properties	Method	Unit	Value
Hardness	ISO 48	Shore A	45
Specific Gravity	ISO 1183		0.7
Tensile Strength	ISO 37	MPa	4.5
Elongation at Break	ISO 37	%	>800%
Melt Flow Index at 230°C - 2.16 Kg	ISO 1133	gm/10min	1

**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:

IF45A 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.