

FARRPRENE EF652

Styrenic Block Copolymer Thermoplastic Elastomer

Product Description

EF652 is a thermoplastic elastomer formulated for applications requiring high elongation and elastic recovery. This grade combines soft-touch characteristics with notable extensibility, offering flexibility while maintaining adequate tensile properties. The material demonstrates favorable flow properties suitable for various profile extrusion applications.

Recommended Applications

Flexible sealing systems
Stretch-fit components and elastic profiles
Soft gaskets for dynamic applications
Flexible industrial components
Sports and recreation equipment components
Vibration dampening profiles
Consumer product applications

Key Features

High elongation properties with effective elastic recovery
Soft touch characteristics
Notable flexibility at low temperatures
Reliable fatigue resistance under repeated deformation
Moderate chemical resistance to common fluids
Maintains flexibility over typical operating temperatures
Suitable for dynamic sealing applications

Typical Properties	Method	Unit	Value
Hardness	ISO 48	Shore A	65
Specific Gravity	ISO 1183		1.06
Tensile Strength	ISO 37	MPa	4
Elongation at Break	ISO 37	%	>600%
Melt Flow Index at 230°C - 2.16 Kg	ISO 1133	g/10min	0.8
Melt Flow Index at 190°C - 10 Kg	ISO 1133	g/10min	27

**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:

EF652 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.