

EPP ARPRO® Technical Data Sheet

EPP is an Expanded Polypropylene foam. Its expanded beads are predominantly closed-cell. It is supplied to moulders in the form of loose beads for processing into a wide variety of foam parts on automated processing equipment. The main selection criteria for EPP are energy absorption, low weight and high thermal stability. These properties make it a versatile engineering material suitable for automotive construction, transportation containers, packaging and technical components.

Durability

- high energy absorption with low weight
- high resilience following static and dynamic loading
- negligible water absorption

High thermal stability

- from -40 up to max. +120 °C
- functions reliably over a wide range of temperature
- good heat insulating properties

Isotropic deformation performance

- isotropic deformation performance independent of the direction of impact
- essentially unchanged energy absorption after repeated impact load
- moulding density adjustable to meet specific requirements

Lightweight

- low weight of EPP material

Hygiene

- recommended according to EU 1935/2004
- good resistance to chemicals and oils
- odourless and detergent resistant
- dishwasher-proof
- easy to clean and sterilize

Environment

- environmentally friendly
- can be recycled by a variety of methods
- free from propellant gases and other chemical blowing agents

