

THERMOPLASTIC ELASTOMERS FROM TIRE RUBBER AND POLYOLEFIN WASTE

Areas of Application

Hydraulic and floor covering, roofing, various bonding and sealing materials for automobile and construction industries, agriculture

Specification

Tensile strength (σ), MPa	13.0–14.0
Relative elongation (ϵ), %	625–720
Shore Hardness (A)	78–95
Brittleness temperature (T), °C	-43
Operating temperature, (T), °C	-40...+80



Advantages

As compared with the competing industrial products, the developed TPEs have equivalent fundamental properties, but are much cheaper



Articles made of thermoplastic elastomers

Stage of Development.
Suggestions for Commercialization

IRL3, TRL4
Seeking partners for commercial production

IPR Protection

IPR3

Contact Information

Oleksandr A. Fainleib, Institute of Macromolecular Chemistry of the NAS of Ukraine;
+38 044 559 53 72, e-mail: fainleib@i.ua