

TIPELIN BS 450-27 — DESIGNED FOR PLASTIC FUEL TANK APPLICATION

This new unimodal copolymer HDPE grade is designed for multilayer extrusion blow-moulded fuel tank applications. The molecular structure of the polymer, the copolymer incorporation and the addition of recycled polymers, all target the excellent mechanical properties, even combined with recycled polymers, in order to fulfil the different requirements of OEMs.

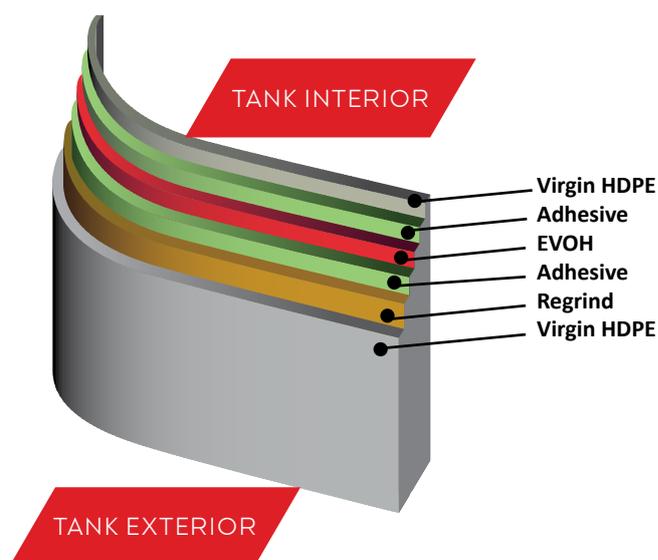


KEY BENEFITS FOR YOU

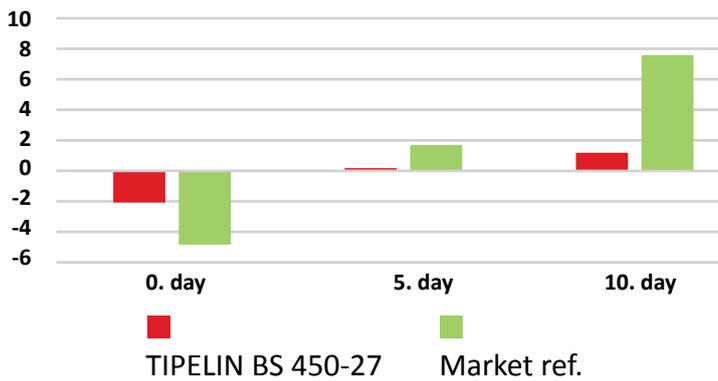
- ▶ Excellent **fuel ageing**
- ▶ Outstanding **chemical resistance**
- ▶ **Cold impact strength** even with decreased wall thickness
- ▶ **Very low transmission rates**
- ▶ **Homologated** grade by OEMs for fuel tank application

APPLICATION

TIPELIN BS 450-27 can be processed with extrusion blow moulding or sheet extrusion and with thermoforming process. The material is designed for the external layers of multilayer plastic fuel tanks illustrated in the next picture.



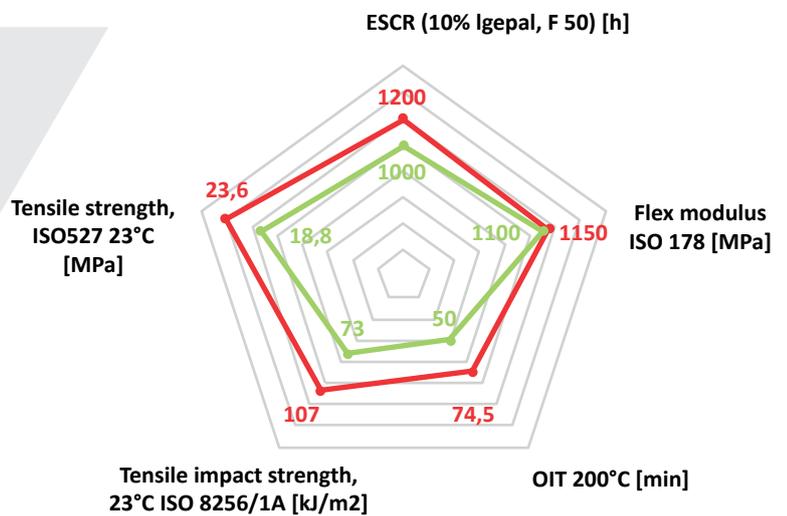
Oven test - ASTM D 3012
Changes in yellowness index



Changes in Yellowness Index over-perform market reference due to the strong additivation. This can help in extending the life cycle of the fuel tank and also supports the combination of TIPELIN BS 450-27 with rHDPE.

Outstanding impact and tensile properties increase the safety of the final product. Outstanding stiffness enables the decrease of wall thickness of the fuel tank which is in line with the light-weighting efforts of the industry.

TIPELIN BS 450-27
Market ref.



For further information and technical data sheets, please contact our senior market developer - kbalanyi@mol.hu - or your sales representative.



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