

### Thermoplastics

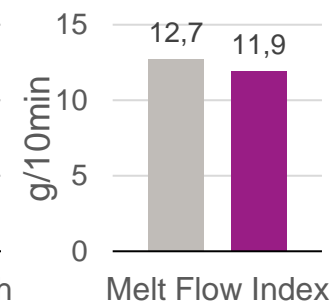
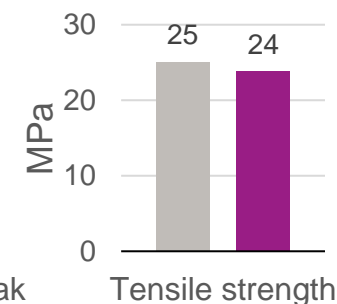
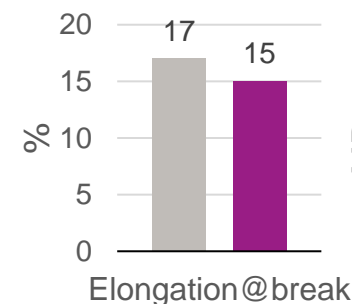
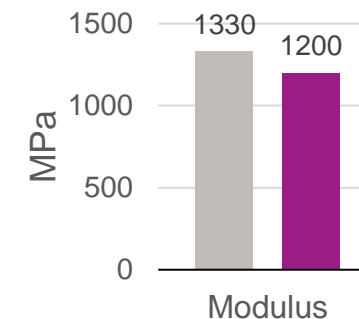
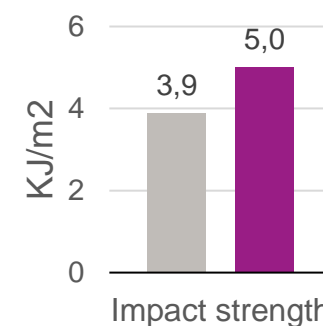
#### Plastic Recycling



#### Key benefits

VESTENAMER is a low-melting rubber additive that can be used for plastic recycling. It compatibilizes common post-consumer recyclates (PCR) polypropylene (PP) and polyethylene (PE), and increases the impact resistance of the recycled material. At the same time, it preserves the tensile strength and elongation at break, whereas stiffness is slightly reduced for higher flexibility. The melt flow index (MFI) remains in the same range, ensuring consistent processability of the material. VESTENAMER is non-toxic and colorless, allowing a wide range of applications. By using VESTENAMER in plastic recycling, material processing and quality can be improved for a more sustainable production.

- Compatible with PP and PE
- Higher impact resistance
- Less stiffness, more flexible
- Tensile strength and elongation at break are not compromised
- Melt flow index (MFI) stays in the same range
- Non-toxic rubber polymer
- Colorless



Post-Consumer Recyclate PP/HDPE	Control	VESTENAMER
rPP	75	70
rHDPE	25	25
<b>VESTENAMER 8012</b>	-	<b>6</b>