

**PS ER**

PS ER is recycled product from processing of plastics from WEEE after washing processing (flotation) and electrostatic separation (triboelectric scrubbing).

**Technical informations:**

- Shape: flakes
- Colour: mostly light colour, possible mix of colours
- PS content: > 98%
- Density: 1,035 g/cm<sup>3</sup>
- Application: for processing by extrusion and injection technologies, for less demanding technical applications
- Packing: big bags on pallets

Quality properties (unit)	Test result (interval from-to)
Melt mass-flow rate 200°C / 5 kg (g/10 min)	5,20 – 5,80
Tensile strength at yield (MPa) $\sigma_y$	16,20 - 30,70
Stress at break (MPa) $\sigma_b$	16,20 – 30,70
Tensile elongation at yield (%) $\epsilon_y$	1,4 – 2,3
Tensile elongation at break (%) $\epsilon_b$	1,8 – 28,3
Flexural Modulus (MPa) $A_t$	1620 - 2250
Charpy notched impact strength (kJ/m <sup>2</sup> ) $a_k$	3,50 - 6,50

