



Our Know-how – Your Advantage

The compounds of the new Lightweight series are your material solution for weight-reduced applications with adhesion to polyamides or polyolefins and excellent compression set.

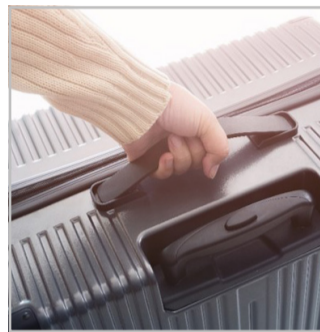
- Weight reduction up to
 - » 35 % compared to standard TPS
 - » 30 % compared to TPV
 - » 50 % compared to PVC
- Adhesion to polyamides (PA6, PA66) in two-component injection molding (LW/PA Series)
- Adhesion to polyolefinic materials (e.g. PP, TPV, TPS) in injection molding and coextrusion (LW/UV and LW/CS/UV Series)
- Excellent compression set
- Reduced shrinkage and warpage of parts
- Closed and uniform surface structure
- Black grades available directly; natural grades available on short notice
- Coloring after consultation on individual requirements possible
- Processing on standard machinery and equipment
- Various applications in daily life

Project leader Martina Hetterich

“These new, innovative THERMOLAST® K Lightweight TPE materials show not only a significant weight reduction but also present an extraordinarily good compression set. They also offer a wide range of options for custom-engineered material adaptations.”

Typical Applications

- Personal protective equipment
- Seals and Gaskets
- Handles and overmoldings
- Stoppers and bumpers
- Functional elements
- Design elements



Technical Data

		TL60WG-BLCK	TL60CW-BLCK	TL6NGG-BLCK	
Hardness	Sh A	60	65	60	
Density	g/cm ³	0,72	0,73	0,73	
Tensile strength	MPa	2,7	1,9	2,6	
Elongation at break	%	250	200	250	
Tear resistance	N/mm	10,5	10,0	11,5	
Compression Set					
	72h / 23°C	%	14	12	15
	24h / 70°C	%	24	14	40
	24h / 100°C	%	-	23	-
Adhesion to		PP, TPS, TPV	PP, TPS, TPV	PA6, PA6.6	

TALK TO OUR EXPERTS!

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