



Optimised creep resistance

Hostacom offers grades with optimised creep tendency. These are polypropylene copolymers (PP copolymers) reinforced with short glass fibres. Compared to standard grades, these PP compounds have excellent creep resistance.

They are therefore ideally suited for applications in the engine compartment with coolant contact. They have a medium flowability and are ideally suited for substituting PA 6.6. Concrete examples of applications are the connecting elements of hoses, flanges, frames, brackets, fan wheels for axial and radial fans, functional parts or housings, especially for vehicles with alternative drive concepts.

Hostacom EKG 2087T is available, for example, also as a laser-weldable grade in black, so that a wide range of applications can be covered.



Materials for applications with and without coolant contact

	Materials for applications with coolant contact	Materials for applications without coolant contact
	Advanced Copo – PP based grade (low creep material)	
GF-10	<i>Hostacom</i> EBG 2063T BLACK <i>Hostacom</i> EBG 2063T NAT	-
GF-20	<i>Hostacom</i> EBG 2145T BLACK <i>Hostacom</i> EBG 2145T NAT	-
GF-30	<i>Hostacom</i> EKG 2087T BLACK <i>Hostacom</i> EKG 2087T LW C12A22 <i>Hostacom</i> EKG 2087T NAT	<i>Hostacom</i> EKG 2058T BLACK
GF-40		<i>Hostacom</i> EKG 2026T BLACK
GF-50		<i>Hostacom</i> EKG 2064T BLACK

Latest developments

Thermal management is gaining in importance for the development of alternative drive concepts.

For this purpose, suppliers to the automotive and other industries require application-optimised materials. We rely on *Hostacom* grades from LyondellBasell with optimised creep resistance.

People. Think. Plastics.

With PP copolymers, K.D. Feddersen can always supply you with the right, flexible material solution.

Benefit from our technical application advice. We implement your requirements with the right material – including service and tailor-made logistics concepts.



Hostacom grades with optimised creep resistance

Product names	Hostacom EBG 2063T BLACK/NAT		Hostacom EBG 2145T BLACK/NAT		Hostacom EKG 2087T BLACK/NAT		Hostacom EKG 2087T LW C12A22		Hostacom EKG 2058T BLACK		Hostacom EKG 2026T BLACK		Hostacom EKG 2064T BLACK	
Color	black		black		black		black		black		black		black	
Filler grade	Glass fibre		Glass fibre		Glass fibre		Glass fibre		Glass fibre		Glass fibre		Glass fibre	
Filler content [%]	10		20		30		30		30		40		50	
Density [g/cm ³]	0.98		1.04		1.12		1.12		1.12		1.21		1.32	
Melt index [230 °C/5 kg]	MFR/5	MVR/5	MFR/5		MFR/2.16	MVR/2.16	MFR/2.16	MVR/2.16	MFR/2.16	MVR/2.16	MFR/2.16	MVR/2.16	MFR/2.16	MVR/2.16
[g/10 min]	2.7	3.5	2.5		7	8	7	8	7	8	4	5	3	4
HDT [ISO 75 A-1,-2]	HDT/A		HDT/A		HDT/A		HDT/A		HDT/A		HDT/A		HDT/A	
[°C]	92		120		140		140		140		142		145	
Modulus at 23 °C [ISO 527- 1, -2]	Tensile strength		Tensile strength		Tensile strength		Tensile strength		Tensile strength		Tensile strength		Tensile strength	
[MPa]	2,700		4,000		6,500		6,500		6,500		8,500		10,500	
Charpy impact strength [ISO 179-1 /1eA]	not, 23 °C	unnot, 23 °C	not, 23 °C	unnot, 23 °C	not, 23 °C	unnot, 23 °C	not, 23 °C	unnot, 23 °C	not, 23 °C	unnot, 23 °C	not, 23 °C	unnot, 23 °C	not, 23 °C	unnot, 23 °C
[kJ/m ²]	7	40	10	40	11	56	11	56	11	56	10	50	11	55
Laser-transparent	Only NAT		Only NAT		Only NAT		Yes		No		No		No	

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