



THE SPECIALISTS FOR
THERMOPLASTICS & ELASTOMERS

POLYMER BLENDS – A COMBINATION OF INDIVIDUAL STRENGTHS



- Blends based on PC with ABS, ASA and PBT for maximum impact resistance
- PA blends with ABS and ASA for high heat distortion temperatures and matt surfaces
- Can be coloured in all shades
- Customized modifications available on request (reinforcements, flame retardancy,...)



WHEN ONE STRENGTH IS JUST NOT ENOUGH – POLYMER BLENDS BY BADA

Engineering plastics have excellent characteristics, but mostly they are not “all-rounders“. The strengths of both components can be combined by blending two plastics – which is Bada’s polymer blend strategy.

Blending PC with ABS, for example, considerably enhances the notched impact strength in the cold, yet maintaining the heat distortion temperature of PC. If the system is required to be UV resistant, too, the substitution of ABS by ASA will result in a clearly higher light resistance.

Customized solutions can also be achieved on the basis of polyamide. PA blends with ABS or ASA show excellent notched impact strengths in the cold respectively excellent UV resistances.

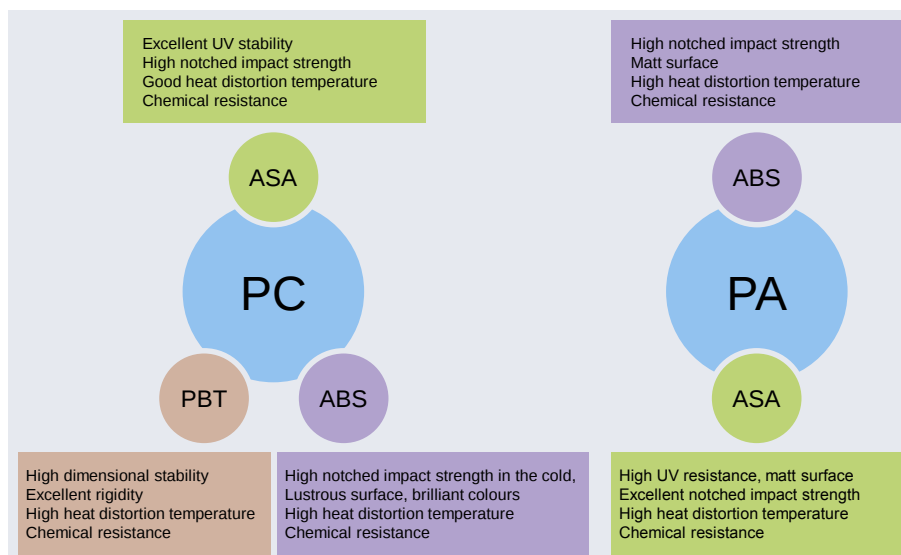
Diversity hardly knows a limit – please, do challenge us! These systems can be coloured in almost every shade. For tailor-made solutions, please contact our Application Technology Department.



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A SELECTION OF OUR POLYMER BLENDS AT A
GLANCE



The following table shows how the characteristics of two polymers can be combined, using the example of an ABS/PA blend:

	PA6	Badalac ABS/PA 310 TM-Z3	ABS
Tensile modulus [MPa]	3100	1700	2300
Yield stress [%]	4,5	30	2,6
Impact resistance [kJ/m2]	NB	NB	NB
Notched impact strength [kJ/m2]	8	36	22

Customized modifications are available on request.
Please contact our Application Technology Department!



BADAMID®

PA6, PA6.6, PA6.6/6

BADAMID®

PA6/6T, PPA, PA4.6, PA10T

BADAMID®

PA12, PA1212, PA612, PA610

BADATECH HT®

HIGH-PERFORMANCE COMPOUNDS

BADATRON®

PPS

BADAFLEX®

TPE-S (SBS, SEBS)

BADAFLEX®

TPE-E, TPU

BADAPRENE®

TPV (EPDM/PP)

BADADUR®

PBT, BLENDS

BADALAC®

ABS-SPECIALTIES, BLENDS

BADAFORM®

POM

BADALON®

PC-SPECIALTIES, BLENDS

BADAPROP®

PP-SPECIALTIES, BLENDS



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