

People. Think. Plastics.

We continuously think about plastic solutions for the automotive of the future. Benefit from our application-technical support. We aim to meet your requirements with the right material, service and customised logistics concepts.



Multilon® – the PC/ABS With Special Properties

Thanks to its properties profile, **Multilon®** from **TEIJIN** is ideally suited for automotive interior applications. In addition to its mechanical and thermal properties, it has excellent flowability and differs significantly from other PC/ABS blends on the market. **Multilon®** has a high finish quality and

is ideally suited for the coating process. With these properties and its very low emission values, the material meets the strict requirements of the automotive industry.

Our Portfolio for Interior Applications:

Multilon® T-2810R	Unfilled PC/ABS, high heat resistance, easy-flowing
Multilon® T-2830R	Unfilled PC/ABS, medium heat resistance, easy-flowing
Multilon® T-2760B	Unfilled PC/ABS, medium heat resistance, low density, low gloss, easy-flowing

Automotive Interior

Multilon® meets numerous European automotive specifications. In addition, Multilon® is also used for series production by Asian OEMs, such as HONDA, NISSAN and TOYOTA. Typical

applications for **Multilon®** include: Armrests, seat and pillar trim, overhead consoles, instrument panels, and covers.

OEM	T-2810R	T-2830R	T-2760B
VOLKSWAGEN AG (VW, AUDI, PORSCHE, SEAT, SKODA etc.)	TL 52231-B	TL 52231-A	TL 52231
BMW Group (BMW, MINI, ROLLS-ROYCE)	GS 93016	GS 93016	GS 93016
DAIMLER	DBL 5404.30*	DBL 5404.20*	*
FIAT CHRYSLER Automobiles (FCA)	55231/01 105.450	55231/01 105.450	
GENERAL MOTORS OPEL	GM 15581		

*Official admission to the DBL is under way.

From the Idea to the Start of Production

In your project, do you need a partner for the development, design, calculation and simulation up to trial and test, as well as for commercialisation and qualification? Would you

like to get to know our sister company M.TEC GmbH and its expertise? Join the discussion!

Multilon® T-2810R and T-2830R

Compared to generic PC/ABS products, **Multilon®** T-2810R and T-2830R are characterised by consistently high toughness values with higher flowability. This offers added value in both processing and design:

- Processing at lower temperature and lower pressure
- High reproduction accuracy
- Product design with lower wall thicknesses
- Reduction of cycle time

Property	Unit	Norm	T-2810R	T-2830R
MVR (260° C/5 kg)	cm³/10 min.	ISO 1133	27	28
Density	g/cm³	ISO 1183	1,14	1,13
Tensile modulus	MPa	ISO 527-2/1	2300	2250
Yield stress	MPa	ISO 527-2/50	55	52
Elongation at break	%	ISO 527-2/50	120	120
Charpy notched impact strength +23° C	kJ/m²	ISO 179-1eA	50	50
Charpy notched impact strength -30° C	kJ/m²	ISO 179-1eA	37	35
Heat deflection temperature (0,45 MPa)	°C	ISO 75-2/B	130	125
Vicat softening point	°C	ISO 306/B50	128	120

Multilon® T-2810R and T-2830R are available in standard black and natural. Pre-colored in OEM colors on request.

Multilon® T-2760B

Compared with other PC/ABS grades, **Multilon®** T-2760B is distinguished not only by its good product properties but also by its low surface gloss and low density. Components made of **Multilon®** T-2760B are lighter and do not require additional matt coating!

- Low surface gloss
- Weight savings
- Attractive surface finish
- High impact strength

Property	Unit	Norm	T-2760B
MVR (260 °C/5 kg)	cm³/10 min.	ISO 1133	21
Density	g/cm³	ISO 1183	1,09
Yield stress	MPa	ISO 527-1/50	47
Elongation at break	%	ISO 527-2/50	80
Charpy notched impact strength +23 °C	kJ/m²	ISO 179	75
Charpy notched impact strength -30 °C	kJ/m²	ISO 179	30
Heat deflection temperature (1,8 MPa)	°C	ISO 75-2/A	95
Vicat softening point	°C	ISO 306/B50	112
Gloss 60° (Mirror surface)	-	-	78

Multilon® T-2760B is available in OEM colors, e.g. in BMW Black.

We are There for You Do you need a PC/ABS solution for your application? Then let us drive your project forward together.

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