Technical Report PolymerMetall®

TEC-# 023
Comparison compressive strength

Used products
MM-metal SS-steel 382, MM-metal SS-steel

Description
All manufacturers from polymer-metallic repair products are endeavoured to offer highest product quality. To do justice to these requirements, MultiMetall develops and produces polymer-metallic products on a high level.

The strength particularly the compressive strength describes, how much a work piece can be stressed before it breaks. Important are the cohesion forces which hold together the smallest parts of a work piece. As soon as the loading exceeds the cohesion forces the work piece breaks.

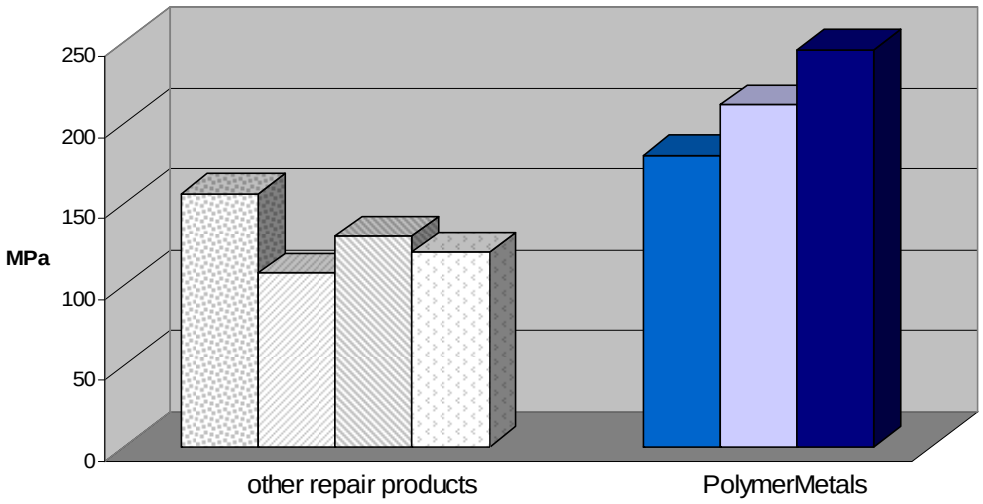
Based on its high user-orientated and developing potential MultiMetall does have a superior position in the area of polymer-metallic materials for years.

The following table compares the highest compressive strength data of polymer-metallic repair products from other producers with the data of some PolymerMetals produced by MultiMetall. The compressive strength of the MultiMetall-products has been determined by tests executed by IFAM / Germany according to DIN EN ISO 604.

MultiMetall • P.O. Box 12 02 64 • 41720 Viersen • Germany
Tel: +49 (0) 21 62-97 00 9-0 • Fax: +49 (0) 21 62-97 00 9-11
Email: info@polymermetal.com • Web: www.polymermetal.com

Repair products from other manufacturers	MPa	PSI
Repair product A	156	22620
Repair product B	107	15515
Repair product C	130	18850
Repair product D	120	17400
PolymerMetals from MultiMetall	**MPa**	**PSI**
MM-metal SS-steel	180	26100
MM-metal SS-steel 382	211	30595
MM-metal SS-steel 382 (aftercured)	245	35525

Compressive strength



The drawing shows, that MultiMetall's PolymerMetals do without exception deliver higher data in comparison with work piece-similar products from competitors.

MultiMetall
the MetalExistenceCompany®

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