

| Vision PP: Filled systems | | | Values ¹⁾ | | | | | | |
|---|------------|-------------------------|-----------------------|-----------------------|-----------------------|----------------------------|-----------------------|-----------------------|-----------------------|
| Properties | Testmethod | Unit | PPH BL 1303 T10 | PPH BL1302 T20 | PPH BL1302 T40 | PPH BL1303 G30 | PPC BL1010 T20 | PPC BL1010 T20 HS | PPC BL1010 T30 |
| Colour | - | - | black | black | black | black | black | black | black |
| Fillertype | - | - | talc | talc | talc | glassfiber chem. bonded | talc | talc | talc |
| Fillercontent | internal | % | 8-12 | 18-22 | 38-42 | 28-32 | 18-22 | 18-22 | 28-32 |
| MFI at 230° C/2.16 kg | ISO 1133 | g/10 min | 12-15 | 12-15 | 12-15 | 12-15 | NA | NA | NA |
| MVR at 230° C/2.16 kg | ISO 1133 | cm ³ /10 min | - | 15.5-20.5 | - | - | 10 - 16 | 10 - 16 | 10 - 16 |
| Density | Internal | g/cm ³ | 0.96-1.00 | 1.04-1.06 | 1.19-1.23 | 1.13-1.17 | 1.03-1.07 | 1.03-1.07 | 1.10-1.14 |
| Charpy Impact strenght, notched at 23 ° C | DIN 53453 | kJ/m ² | >2.5 | >2 | >1.5 | >2.8 | >10 | > 10 | >8 |
| Charpy Impact strenght, unnotched at 23 ° C | DIN 53453 | kJ/m ² | - | NB | - | >7.8 | NB | NB | NB |
| Falling Weight Impact Strenght at 23 ° C | Internal | kgcm | >20 | >20 | >5 | >5 | >100 | >100 | >90 |
| Flexural Modulus | ISO 178 | MPa | >1400 | >2000 | >2500 | >3000 | >1800 | >1800 | >2000 |
| Hardness Shore D | Internal | - | 65-70 | 65-70 | 68-72 | 71-75 | 61 - 65 | 61 - 65 | 62 - 66 |
| Non virgin polymer content | Internal | % | >85 | >75 | >55 | >65 | >75 | >75 | >65 |
| Process | | | injection moulding | injection moulding | injection moulding | injection moulding | injection moulding | injection moulding | injection moulding |
| Specific features | | | | | high stiffness | | high impact | high impact LTHS | high impact |
| Application area | | | automotive | automotive | automotive | automotive | automotive | automotive | automotive |

1): Typical values, not to be construed as specifications

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The data and results mentioned in this document are provided for the sake of general information of our customers and are given to our best knowledge. The values show typical average data, based on an appropriate number of individual measurements made on the product. Therefore they can not be considered as specifications.

Before using an AKG Compound, customers and other users should make their own independent determination that the product is suitable for the intended use.

Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical, medical and food sector.

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