

## ABS FibraQ compound (20% wood fibers)

### Description:

Compounded formulation containing ABS with 20% FibraQ mixed via a Twinscrew extruder. The granulate also include 2% coupling agent.



FibraQ is Biofiber Tech's product, consisting of surface-modified wood fibers with enhanced hydrophobicity, low moisture absorption and high flowability within polymer matrices.

### General

|                                    |   |
|------------------------------------|---|
| Processing Method                  | Injection molding                                 |
| Forms                              | Pellets   |
| Filler                             | Surface modified wood fiber, 20% filler by weight |
| Density                            | Ca. 1.09 g/cm <sup>3</sup>                        |
| Renewable carbon content           | 20%   |
| Recommended Processing temperature | 190-210°C   |
| Code name                          | ABS03-20  |

### Typical properties:

| Feature                   | Method          | Unit       | Values |
|---------------------------|-----------------|------------|--------|
| Tensile strength at Break | ISO 527-2:2012  | MPa        | 54.5   |
| Tensile modulus           | ISO 527-2:2012  | MPa        | 3716   |
| Elongation at Break       | ISO 527-2:2012  | %          | 2.2    |
| MFI (190°C, 5kg)          | ISO 1133-1:2012 | (g/10 min) | 0.9    |

*The values were measured on standardized test specimens and can be affected by pigmentation, mould design and processing conditions. Biofiber Tech is therefore not responsible for the accuracy of the provided values and cannot give any warranty with regard to the correctness.*

*Any information, whether verbally or written, is given to the best of our knowledge and in good faith and does not exempt the buyer from carrying out their own investigation.*

*The buyer is solely responsible for confirming the suitability of the product for their specific application.*