

Mahesh Manglesh Plastics Pvt. Ltd.

Importer, Distributor and Stockists of Engineering Polymer Materials
PA6, PA66, POM, PBT, TPU, TPE, ABS, PMMA, PC, PA46, PPS, PPA



Trust. Value. Support.

Comparison Schulamid 6 GF 30 H & BKV30H2.0 Blk

Property	SCHULAMID 6 GF 30 H	Durethan BKV30H2.0 901510
Base Polymer	PA 6 (Polyamide 6)	PA 6 (Polyamide 6)
Glass Fiber Content	30%	30%
Density (g/cm ³)	1.35	1.36
Tensile Modulus (MPa)	9200 (dry); 5000 (cond.)	9500 (dry); 5800 (cond.)
Tensile Strength at Break (MPa)	165 (dry); 100 (cond.)	170 (dry); 100 (cond.)
Tensile Strain at Break (%)	3.5 (dry); 8.0 (cond.)	3.5 (dry); 6.0 (cond.)
Flexural Modulus (MPa)	7800	8500 (dry); 5000 (cond.)
Flexural Strength (MPa)	210	270 (dry); 160 (cond.)
Charpy Notched Impact, 23°C (kJ/m ²)	14 (dry); 30 (cond.)	10 (dry); 20 (cond.)
Charpy Unnotched Impact, 23°C (kJ/m ²)	85 (dry); No break (cond.)	75 (dry); 90 (cond.)
Ball Indentation Hardness (MPa)	200	210 (dry); 100 (cond.)
Heat Deflection Temp, 1.8 MPa (°C)	200	200
Heat Deflection Temp, 0.45 MPa (°C)	220	215
Vicat Softening Temp (°C)	217–210	200
Volume Resistivity (ohm-cm)	1E13 (dry); 1E10 (cond.)	1E13 (dry); 1E10 (cond.)
Surface Resistivity (ohm)	1E15 (dry); 1E12 (cond.)	1E14 (dry); 1E13 (cond.)
CTI (Comparative Tracking Index, V)	450	425
UL 94 Flammability	HB (0.75mm, 1.5mm, 3.0mm)	HB (0.75mm, 1.5mm)
Water Absorption Sat. (%)	Not explicitly listed	7.0
Molding Shrinkage (%)	Flow: 0.20; Across: 0.90	Parallel: 0.3; Transverse: 0.69

Summary -

- dry" refers to dry as molded; "cond." refers to conditioned state
- Listed values are approximate; refer to original datasheets for full context and any additional conditioning notes.

Both grades are 30% glass fiber reinforced PA6 and offer very similar mechanical, thermal, and electrical behavior. Small differences may arise due to proprietary stabilizers, fiber sizing, and compounding nuances.