



TECHNICAL DATA SHEET

VHD-1

VHD-1 - Virgin High Density Free Flow PTFE

Composition by Weight % and Filler Description

100% Virgin Granular PTFE

PROPERTIES	TEST METHOD	UNITS	TYPICAL TEST RESULTS
Specific Gravity	ASTM D 4894	~	2.16 ± 0.02
Tensile Strength*	ASTM D 4894	Mpa	MIN 30
Elongation*	ASTM D 4894	%	MIN 300
Bulk Density	ASTM D 4894	g/l	800 - 850
Hardness	ASTM D 2240	Shore D	58 ± 4
Diametric Shrinkage	ASTM D 4894	%	3.0 ± 0.5
Flow	Poly-Smith	Sec/50 g	3

* cross direction

Recommended Mold Pressure	35 Mpa
Max Sintering Temperature	370 °C

General Application:

This grade is suitable for use in Isostatic, Automatic, and Standard moulding practices to fabricate parts including, but not limited to, seals, bearings and basic shapes.

Polytetrafluoroethylene - ASTM Type IV Grade II

This product contains no detectable amount of heavy metals.

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