



TECHNICAL DATA SHEET

VHD-3 - Virgin Medium Density Free Flow PTFE

Composition by Weight % and Filler Description
100% Virgin Granular PTFE

MECHANICAL PROPERTIES	TEST METHOD	UNITS	Specification
Specific Gravity	ASTM D 4894	~	2.15 ± 0.02
Tensile Strength*	ASTM D 4894	Mpa	MIN 30
Elongation*	ASTM D 4894	%	MIN 325
Bulk Density	ASTM D 4894	g/l	720 - 780
Hardness	ASTM D 2240	Shore D	58 ± 3
Diametric Shrinkage	ASTM D4894	%	3.5 ± 0.5
Moisture	ASTM D4894	%	.03 Max
Flow	Poly-Smith		2 - 3 Sec/50g

* cross direction

Recommended Moulding Pressure	30 - 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 film. Used in oil and gas applications.

Safety

This product is a fluoropolymer so normal precautions should be followed.

Technical Information

DISCLAIMER: the information in this Safety Data Sheet is believed to be correct as of the date issued. No warranties, expressed or implied, including but not limited to, any implied warranty or merchantability or fitness for a particular purpose or course of performance or usage of trade. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application and shall not establish a legally valid contractual relationship.