

Compound data sheet

Material Type: EPDM 70

Preparation number: 5072M022

Description: This compound was developed to meet DTD5597A Grade 70. The scope of DTD5597 covers preparations intended for the production of items for sealing applications where good fluid resistance and low compression set are of prime importance. They can be used in contact with phosphate ester hydraulic fluids for continuous operation within temperature range -60°C to 100°C or up to 130°C for intermittent periods and with silicone hydraulic fluids within the temperature range -60°C to 130°C for continuous operation or up to 160°C for intermittent periods.

- Upper continuous working temperature 100°C
- Peak working temperature 160°C
- Lower working temperature -60°C

Characteristic	Unit	Result
Hardness	Shore	74
Tensile Strength	MPa	13.7
Elongation at break	% change	408
Compression set (24 hours at 70°C)	% change	13
Hot air aged 168 hours at 125°C		
Hardness change	Shore	+3
Tensile Strength	% change	+3
Elongation at break	% change	-13