

FKM 2601G2

Introduction ▶

FKM 2601G2 fluoroelastomer is a low-viscosity di-polymer that demonstrates improved processing when compared with existing fluoroelastomers.

Features ▶

Compared with other di-polymers, FKM 2601G2 provides:

- Lower viscosity
- Improved mold flow
- Excellent extrusion characteristics
- Better mold release
- Less mold fouling
- Improved compression set resistance

Product Description	FKM 2601G2
Chemical Composition	Dipolymer of hexafluoropropylene and vinylidene fluoride
Physical form	sheet
Fluorine content	66%
Odor	None
Mooney Viscosity (ML 1+10 121°C)	25
Specific Gravity	1.82
Storage Stability	Excellent
Solubility	Low molecular weight esters and ketones

Applications ▶

- Transfer and injection molding
 - O-rings
 - Valve stem seals and shaft seals
 - Parts with complicated shapes
- Extrusions
 - Fuel hose and tubing
- Solution coating
 - Fabric
 - Tank or Chemical Containers

Safety and Handling ▶

Keep off skin and wash well after handling. For the safe handling of other compounding ingredients, refer to the respective manufacturers' literature

Packing Specification ▶

25Kg

Table 1. Performance of FKM 2601G2 in typical compound

Formulation of Full Compound ▶

Ingredients	FKM 2601G2
FKM 2601G2	97.5
Viton™ Curative No.50	2.5
N990 MT carbon black	30
Calcium hydroxide	6
Magnesium oxide (High activity)	3

Rheology Properties ▶

Mooney Viscosity (ML 1+10 at 121°C)	47
MDR at 177°C, 0.5arc, 8min	
ML [dNm]	0.71
MH [dNm]	27.81
Ts1 [min]	1.26
T90 [min]	2.7

Physical Properties ▶

Slab cure: 10min at 177°C	
Post cure: 24h at 230 °C	
Stress/strain at 23°C-original	
Tensile properties [MPa]	12.9
Elongation at break [%]	201
Modulus at 100 % [MPa]	5.7
Hardness, shore A, points	79
After heat aging 72h at 275 C	
Tensile properties [MPa]	9.3
Elongation at break [%]	244
Modulus at 100 % [MPa]	4.2
Hardness, shore A, points	77
Compression set, %, Type B, 25% Deflection	
70 hours at 200°C	18

