晨光科慕氟材料(上海)有限公司
The Chemours Chenguang Fluoromaterials (Shanghai) Co., Ltd.

FKM 2602G2

Introduction ▸

FKM 2602G2 fluoroelastomer is a medium-viscosity di-polymer that demonstrates improved processing when compared with existing fluoroelastomers.

Features ▸

Compared with other di-polymers, FKM 2602G2 provides:

- Improved compression molding
- Better mold release
- Less mold fouling
- Excellent scorch safety
- Improved compression set resistance

Product Description	FKM 2602G2
Chemical Composition	Dipolymer of hexafluoropropylene and vinylidene fluoride
Physical form	sheet
Fluorine content	66%
Odor	None
Mooney Viscosity (ML 1+10 at 121°C)	50
Specific Gravity	1.82
Storage Stability	Excellent
Solubility	Low molecular weight esters and ketones

Applications ▸

- Compression and transfer molding
  - O-rings
  - Gaskets
  - Seals
- Profile extrusion
- Calendered goods
  - Tanks 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 2602G2 in typical compound

Formulation of Full Compound ▸

Ingredients	FKM 2602G2
FKM 2602G2	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)	70
MDR at 177°C, 0.5arc, 8min	
ML [dNm]	1.71
MH [dNm]	31.36
Ts1[min]	1.06
T90 [min]	2.38

Physical Properties ▸

Slab cure: 10min at 177°C	
Post cure: 24h at 230 °C	
Stress/strain at 23°C-original	
Tensile properties [MPa]	15.2
Elongation at break [%]	201
Modulus at 100 % [MPa]	6.6
Hardness, shore A, points	77
After heat aging 72h at 275℃	
Tensile properties [MPa]	9.8
Elongation at break [%]	217
Modulus at 100 % [MPa]	4.8
Hardness, shore A, points	77
Compression set, %, Type B, 25% Deflection	
70 hours at 200°C	17