

TyrFil® MG-25

Polyurethane (MDI)

Pathway Polymers

Message:

TyrFil® MG-25 is a two-component system consisting of Catalyst blend (side A) and Prepolymer (side B). It is designed to be used for filling tires in the mining industry.

General Information		
Uses	Mining Applications	
	Tire Repair	
Appearance	Brown	
Forms	Liquid	
Hardness	Nominal Value	
Durometer Hardness (Shore A)	24 to 28	
Elastomers	Nominal Value	Unit
Tensile Strength (Break)	2.97	MPa
Tensile Elongation (Break)	800	%
Tear Strength		
-- 1	11.7	kN/m
Split	2.1	kN/m
Bayshore Resilience	66	%
Thermoset	Nominal Value	Unit
Shelf Life	52	wk
Thermoset Mix Viscosity		
25°C 2	1000 to 1300	cP
25°C 3	300 to 400	cP
Demold Time (40°C)	240 to 360	min
Gel Time	28.0 to 30.0	min
Cure Time (25°C)	1.0	day
Mixing Ratio		
-- 4	100:103.3	
-- 5	1:1	
Processing Temperature 6	21 to 27	°C
Fill Analysis	Nominal Value	Unit
Melt Density		
25°C 7	1.08	g/cm³
25°C 8	1.05	g/cm³
NOTE		
1.	Die C	

2.	Prepolymer (side B)
3.	Catalyst (side A)
4.	by weight ($\pm 5\%$)
5.	by volume ($\pm 5\%$)
6.	for both Catalyst (side A) & Prepolymer (side B)
7.	Prepolymer (side B)
8.	Catalyst (side A)

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

