

TyrFil® MG-30

Polyurethane (MDI)

Pathway Polymers

Message:

TyrFil® MG-30 is a two-component system consisting of Catalyst blend (side A) and Prepolymer (side B). It is designed to be used for filling tires for the mining industry.

General Information		
Uses	Mining Applications Tire Repair	
Appearance	Brown	
Forms	Liquid	
Hardness		
Durometer Hardness (Shore A)	Nominal Value 35 to 39	
Elastomers		
Tensile Strength (Break)	Nominal Value 1.80	Unit MPa
Tensile Elongation (Break)	550	%
Tear Strength		
-- ¹	13.5	kN/m
Split	2.5	kN/m
Bayshore Resilience	66 to 700	%
Thermoset		
Shelf Life	Nominal Value 52	Unit wk
Thermoset Mix Viscosity		
25°C ²	600 to 700	cP
25°C ³	250 to 350	cP
Gel Time	28.0 to 30.0	min
Cure Time (25°C)	1.0 to 2.0	day
Mixing Ratio		
-- ⁴	100:100	
-- ⁵	1:1	
Processing Temperature ⁶	21 to 27	°C
Fill Analysis		
Melt Density	Nominal Value	Unit
25°C ⁷	1.05	g/cm ³
25°C ⁸	1.07	g/cm ³
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

