

Technical Data

MetaLine Series 700



MetaLine® Series 700 Spray Elastomers

	MetaLine 760	MetaLine 785	MetaLine 795
Hardness (Sprayed / Casted) (A.S.T.M. D2240-68)	60 / 65 Shore A	82 / 85 Shore A	95 / 98 Shore A
Density (DIN 53 479)	1.10 g/cm ³	1.05 g/cm ³	1.05 g/cm ³
Tensile Strength (A.S.T.M. D412-68)	20 N/mm ²	20 N/mm ²	24 N/mm ²
Tensile Modulus at 100 % Elongation (A.S.T.M. D412-68)	6 N/mm ²	7 N/mm ²	13 N/mm ²
Tear Resistance (DIN 53 515)	68 N/mm	55 N/mm	68 N/mm
Elongation at Break (A.S.T.M. D412-68)	650 %	380 %	275 %
Bashore Resilience (DIN 53 512)	63 %	45 %	27 %
Coefficient of Thermal Conductivity (DIN 52 612)	0.2 W/K·m	0.2 W/K·m	0.2 W/K·m
Dielectric Surface Resistivity (DIN 53 482)	7 x 10 ¹⁰ Ohm	7 x 10 ¹⁰ Ohm	7 x 10 ¹⁰ Ohm
Dielectric Breakdown Voltage (DIN 53 841)	> 5 Kv/mm	> 5 Kv/mm	> 5 Kv/mm
Temperature Resistance (dry / wet)	+100 °C / +60 °C	+120 °C / +60 °C	+120 °C / +60 °C
Taber Abrasion (A.S.T.M. D1-044-73 - H-22 Wheels, dry, 1 kg, 1.000 U)	n.d.	8.2 mg	10.5 mg
Abrasion (DIN 53 516)	80 mm ³	70 mm ³	n.d.
Coefficient of Static Friction (DIN EN ISO 8295)	$\mu(0)$ = approx. 0.7	$\mu(0)$ = approx. 0.6	$\mu(0)$ = approx. 0.2
Solids Contents (DIN EN ISO 3251)	100 %	100 %	100 %
Processing Time (at 50 °C)	7 minutes	1 minutes	1 minute
Solidification (at 20 °C - dependent on stress)	> 1.5 days	> 1 day	> 1 day
Coverage (Theoretical Film Thickness 1 mm)	1.20 kg/m ²	1.20 kg/m ²	1.20 kg/m ²

