



EUROGOMMA

Polyurethane technological characteristics

6020 and Superelastic System Description

Component A a mixture of polyols and activators

Component B consists of prepolymers based on MDI (diphenylmethane diisocyanate) and containing isocyanate groups.

System 6020	6020/65	6020/75	6020/85	6020/95	Unit
Hardness	65±3	75±3	85±3	95±3	Shore A
Tensile Strength	25	40	50	55	N/mm ²
Elasticity	30	28	25	23	%
Elongation at Break	500	450	400	400	%
Tear propagation Resistance	25	45	50	70	N/mm
Abrasion	15	30	35	40	mg

Operating temperature range	-30°C to +70°C (peaks up to + 90°C)
Specific gravity	1.1 > 1.2
Available colour	yellow

System Superelastic		Unit
Hardness	70±5	Shore A
Tensile Strength	13.5	N/mm ²
Elasticity	35	%
Elongation at Break	665	%
Tear propagation Resistance	19.5	N/mm
Abrasion	90	Mg

Operating temperature range	-30°C to +70°C (peaks up to + 90°C)
Specific gravity	1.1
Available colour	yellow

Resistance to chemicals of system 6020 and *Superelastic*

1 = Loss of mechanical properties 0 - 5 %
 2 = Loss of mechanical properties 5 - 15 %
 3 = Loss of mechanical properties > 15 %

Chemical	Present Percentage	Loss
Sulphuric acid	10%	2
Sulphuric acid	25%	2
Sulphuric acid	50%	3
Sulphuric acid	60%	3
Acetic acid	2%	1
Acetic acid	5%	2
Acetic acid	10%	3
Acetic acid	50%	3
Formic acid	2%	1
Formic acid	5%	2
Formic acid	10%	3
Phosphoric acid	25%	2
Phosphoric acid	50%	2
Lactic acid	45%	3
Hydrochloric acid	10%	2
Nitric acid	10%	3
Linseed oil fatty acid		1
Boric acid	4%	2
Tannic acid solution	20%	1
Sodium hydroxide solution	10%	2
Sodium hydroxide solution	40%	3
Sodium hydroxide solution	50%	3
Potassium hydroxide solution	20%	3
Bleaching powder solution	3%	1
Sugar solution	30%	1
Sodium chloride solution	10%	2
Hydrogen peroxide	10%	1
Formaldehyde	37%	3
Ammonia solution	5%	1
Sodium carbonate solution	20%	2
Citric acid	10%	3