



PC40 and PC50 Platinum Cured Silicone Rubber 40 – 50° Shore Hardness

A platinum cured range of silicone rubbers offering good tear strength and excellent translucency. They can be used for tubing, seals, gaskets and profile extrusion.

It can be used for seals for food processing.

- High thermal stability
- Excellent low-temperature flexibility
- Good aging resistance (UV, ozone, radiation)
- Good processability (Material is suitable for complex extruded profiles)
- Good standard mechanical properties that remains constant over a broad range of temperatures.

These Rubbers can be supplied pigmented a wide range of colours or transparent.
Temperature range -60°C to 200°C.

E: Extrusion M: Moulding

Process			E	M	E	M
Grades			PC40		PC50	
Specific Gravity	DIN 53 479A	g/cm ³ ± 0.02	1.12		1.15	
Hardness	DIN 53 505	Shore A ± 5	40	40	50	50
Tensile Strength	DIN53504-S1	N/mm ²	9.3	9.5	10.4	10.6
Elongation	DIN53504-S1	%	570	750	535	695
Tear Resistance	ASTM D 624 B	N/mm	19	22	24	27
Impact Resistance	DIN 53 512	%	57	52	54	50
Compression Set	DIN 53517	22 h/175° C %	35	18	35	19

Compliance and Approvals:

FDA § 177.2600.

BfR XV Silicones regulations.

EC1935/2004

Flammability Information: If tested, PCxx would fulfil the requirements as laid down by UL standard 94HB

WRAS – Test Report M105726 refers

If you would like a Certificate of Conformity supplied with your goods, please just ask – It's free!

E & O.E. Figures given above are for guidance only and should not be used in preparing specifications.

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