

DESCRIPTION

- ABS type prototype parts
- Easy processing
- High mechanical properties
- Good heat resistance up to 100°C

PHYSICAL PROPERTIES

		PART AC or AK or AN	UP4280B	UP4280B2	MIXED
Composition		Polyol	Isocyanate	Isocyanate	
Mix ratio by weight		100	200	200	
Aspect		liquid	liquid	liquid	liquid
Colour		AC=White AK=Black AN=Cream	Colourless	Colourless	AC/B2=Off white AK/B2=Black AN/B2=Light beige
Viscosity at 23°C (mPa.s)	BROOKFIELD LVT	700	175	175	300
Specific gravity at 23°C Specific gravity of cured product at 23°C		1.06 -	1.17 -	1.17 -	- 1.12
Pot life at 25 - 30°C on 100 g (min)					4 - 5

MECHANICAL PROPERTIES at 23°C

		UP-4280B	UP-4280B2
Hardness	Shore D	81	82
Tensile strength	MPa	84	86
Flexural strength	MPa	95	100
Flexural modulus	MPa	2100	2100
Elongation at break	%	13	17
Impact strength (IZOT)	J/m	100 (notched)	110 (notched)

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THERMAL AND SPECIFIC PROPERTIES

			UP-4280B	UP-4280B2
Heat deflection temperature		°C	93	100
Linear shrinkage (2 mm)	-	%	0.3	0.3
Demoulding time (2mm) at 60 - 70°C	-	min	30 - 40	30 - 40

Typical Cure schedules

- 1) 30 minutes at 70°C in 2mm thickness
- 2) 40 minutes at 70°C in 0.5mm thickness

HANDLING PRECAUTIONS

Normal health and safety precautions should be observed when handling these products :
 Ensure good ventilation
 Wear gloves, safety glasses and protective clothes.
 For further information, please consult the product safety data sheet.

STORAGE CONDITIONS

Shelf life is 9 months in a dry place and in original unopened containers at a temperature between 15 and 25° C. Any open can must be tightly closed under dry nitrogen blanket.

PACKAGING

Part A 1 × 1.0 kg	Part B 2 × 1.0 kg
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GUARANTEE

The information of our technical data sheet are based on our present knowledge and the result of tests conducted under precise conditions. It is the responsibility of the user to determine the suitability of AXSON products, under their own conditions before commencing with the proposed application. AXSON refuse any guarantee about the compatibility of a product with any particular application. AXSON disclaim all responsibility for damage from any incident which results from the use of these products. The guarantee conditions are regulated by our general sale conditions.