

BIO-SOURCED PERFORMANCE

SYNTHENE

PR700 *leaf* & PR777 *leaf*

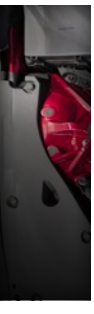
NEW

BIO SOURCED

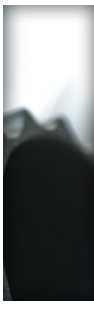
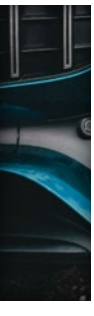
PR700 *leaf* & PR777 *leaf*
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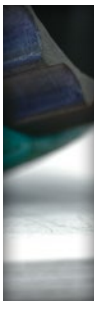
- Based on SYNTHENEs trusted best-sellers PR700 and PR777
- High-end specifications maintained, with outstanding thermal, mechanical and chemical performance
- Eco-friendly materials with ~40% of the formulas originating from organic sources
- Reduces the carbon footprint while keeping the usual vacuum casting process

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TECHNICAL DATA

SYNTHENE PRODUCT TYPE		PR700 *leaf*	PR777 *leaf*
Hardness	(Shore A/ D)	83 D	78 D
Simulation of [1]		ABS	HDPE/ PP
Colour of the cured material		black	milky/ beige [4]
Colourability [2]			
Bio-based raw materials in resin	%	~ 41	~ 40
Density	(g/ cm³)	1,12	1,11
Flexural modulus	(MPa)	1800	1100
Maximum flexural strength	(MPa)	74	39
Elongation at break	(%)	11	
Tensile strength	(MPa)	67	
Impact resistance	(kJ · m⁻²)	56	90
Heat deflection Temperature [3]	(°C)	130	110
Mixing ratio (P : Iso)	(in weight)	84 : 100	100 : 100
Pot life by 25 °C	(min)	8	10
Demoulding time by 70 °C	(min)	45	45
Mould life in silicone	(nb of parts)	30 – 60	30 – 50

BIO-SOURCED EXPLAINED

Bio-based materials use renewable biological resources instead of fossil carbon extracted from the ground. They are produced from raw materials derived from natural carbon-sequestering plants, such as rapeseed, soya, oil palm and castor bean.

BIO SOURCED
CHEMICAL RESISTANT
HEAT RESISTANT
IMPACT RESISTANT
LONG MOULD-LIFE
LONG SHELF LIFE

1 Simulation of plastic once the resin is cured
2 All the colours indicated are illustrative and not contractual
3 After heat treatment
4 Darkens under UV