

THE COLORFUL ALL-ROUNDER

SYNTHENE PR600

NEW

IMPACT RESISTANT

SYNTHENE
2026-11-03 001 EN

SYNFILL G READY

IMPACT RESISTANT















PR600
HIGH STRENGTH COLOUR

SYNTHENE PRODUCT TYPE CURING PROCEDURE		PR600 CURING 1H @70°C	PR600 CURING 2H @70°C + 2H @100°C
Hardness	(Shore A/ D)	84 D	
Simulation of [1]		PC/ PA/ filled ABS	
Colour of the cured material		golden translucent	
Colourability [2]			
Density	(g/ cm³)	1,19	
Flexural modulus	(MPa)	3000	2850
Maximum flexural strength	(MPa)	111	119
Elongation at break	(%)	3	6
Tensile strength	(MPa)	70	68
Impact resistance	(kJ · m⁻²)	51	>100 (does not break)
Heat deflection Temperature [3]	(°C)	75	105
Mixing ratio (P : Iso)	(in weight)	50 : 100	
Pot life by 25 °C	(min)	8	
Demoulding time by 70 °C	(min)	50 - 60	
App. maximum wall thickness	(mm)	8	

FILLER RATE SYNFILL G		0 %	15 %	20 %	25 %
Flexural modulus	(MPa)	2850	4500	5100	5800
Flexural strength	(MPa)	119	140	142	159
Heat Deflection Temperature	(°C)	105	110	111	111

- » Perfect to simulate polycarbonate, polyamide or filled ABS
- » Very high rigidity and flexural strength, which can both be further increased by adding SYNFILL G
- » Long pot life and fast demoulding
- » Very strong mechanical properties immediately after demoulding
- » Colourable in any colour

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1 Simulation of plastic once the resin is cured

2 All the colours indicated in this document are illustrative and not contractual

3 After heat treatment

Synthene