

# ZYTEL® 74G35ARX ECO-R 311 BLK1

## NYLON RESIN

Zytel® 74G35ARX ECO-R 311 BLK1 incorporates 30% of post-industrial recycled content by weight in the finished product. It is a 35% Glass Reinforced, Heat Stabilized, Polyamide 66 designed for Automotive industry.

### Product information

Resin Identification	(PA66+PA6)-GF35	ISO 1043
Part Marking Code	>(PA66+PA6)-GF35<	ISO 11469

### Rheological properties

Moulding shrinkage range, parallel	0.2 - 0.4 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.6 - 0.9 %	ISO 294-4, 2577

### Typical mechanical properties

	dry/cond.		
Tensile modulus	10400 / 6300	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	150 / 104	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.5 / 4	%	ISO 527-1/-2
Flexural modulus	9800 / -	MPa	ISO 178
Flexural strength	230 / -	MPa	ISO 178
Charpy impact strength, 23°C	60 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	10 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	7 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.34 / 0.35		

### Thermal properties

	dry/cond.		
Melting temperature, 10°C/min	257 / *	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	229 / *	°C	ISO 75-1/-2

### Flammability

Burning rate, Thickness 1 mm	38.9 mm/min	ISO 3795 (FMVSS 302)
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### VDA Properties

	dry/cond.		
Emissions	<2 / *	mg/kg	VDA 275
Odour	6	class	VDA 270
Fogging, G-value (condensate)	0.1 / *	mg	ISO 6452

### Characteristics

Processing	Injection Moulding
Delivery form	Granules
Special characteristics	Heat stabilised or stable to heat
Sustainability	Recycled Content

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### Automotive

OEM

Stellantis

Stellantis - Chrysler

STANDARD

B62 0300 / 61/213M-215E+/13

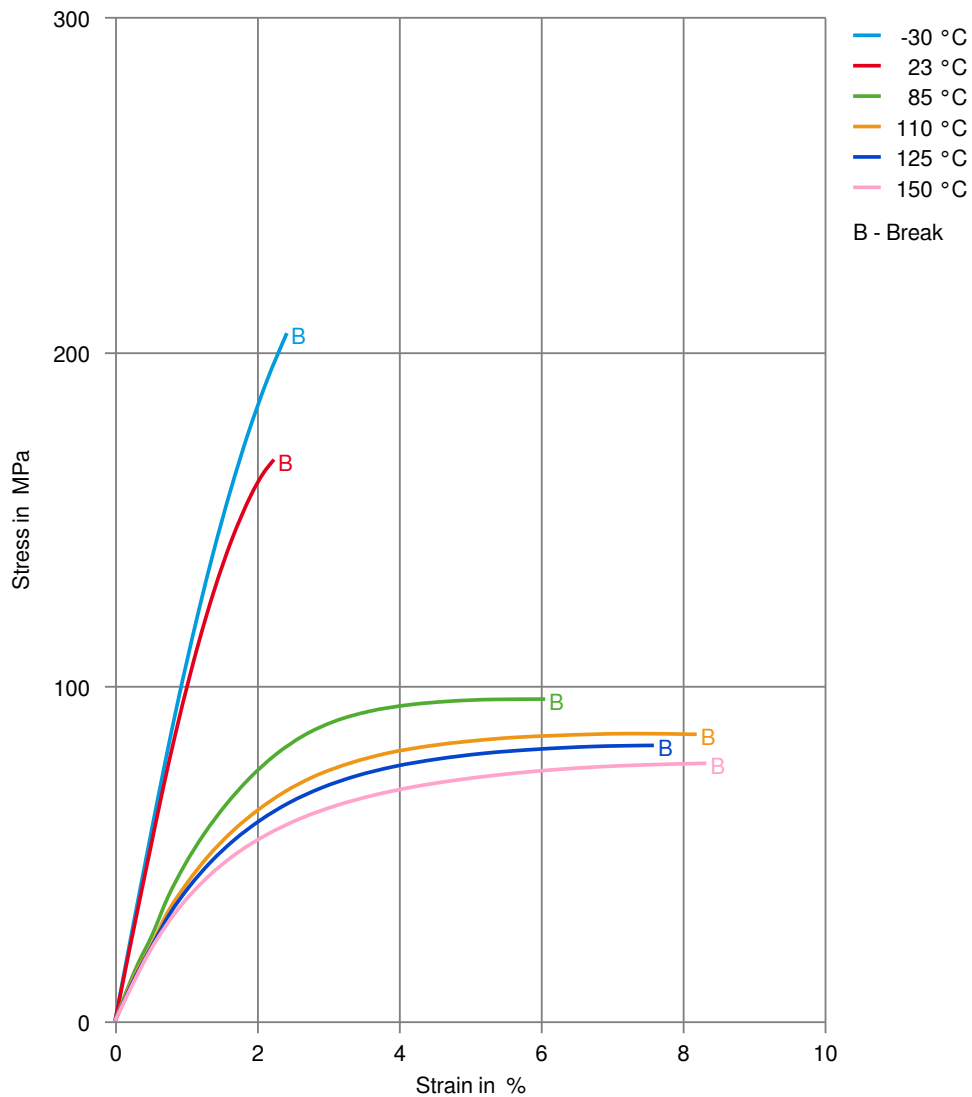
MS.50017 / CPN-4157R

ADDITIONAL INFORMATION

Technical Black

Technical Black

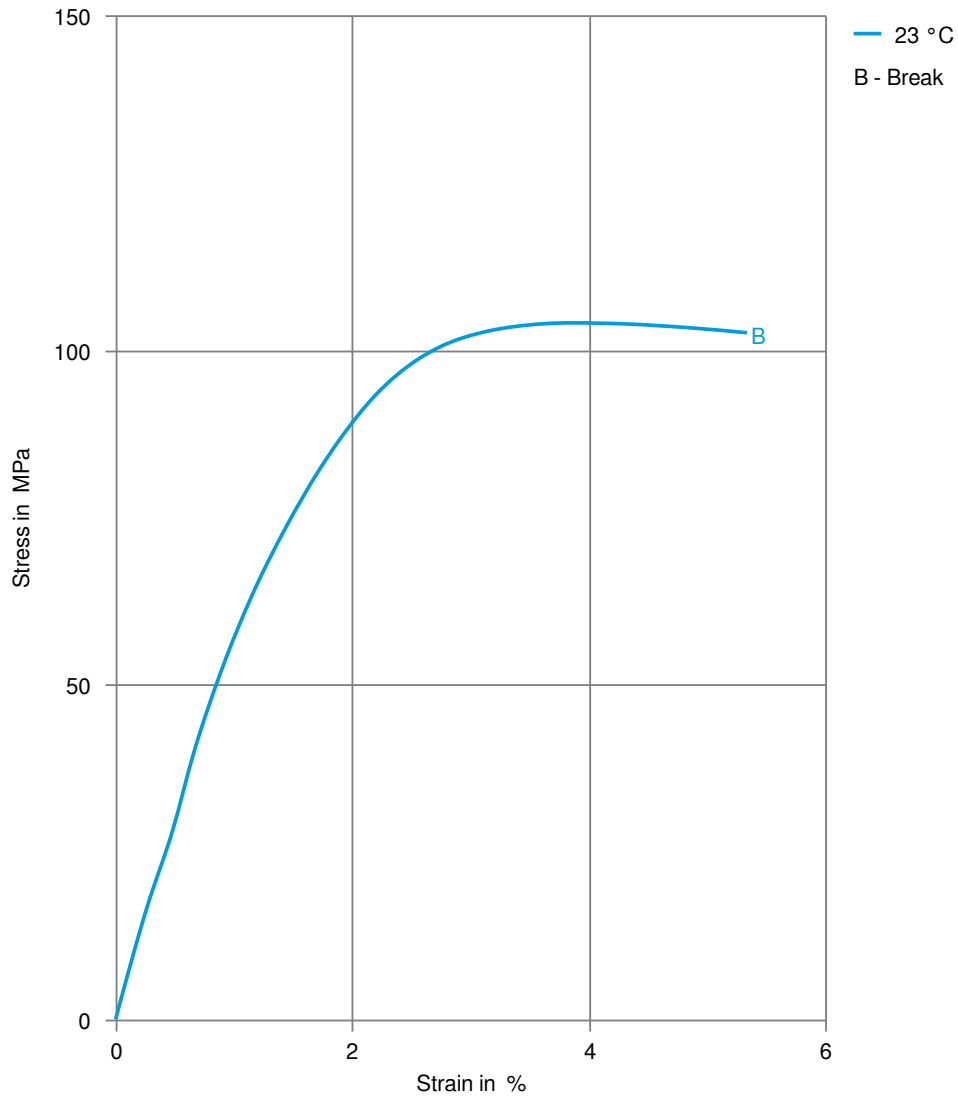
### Stress-strain (dry)



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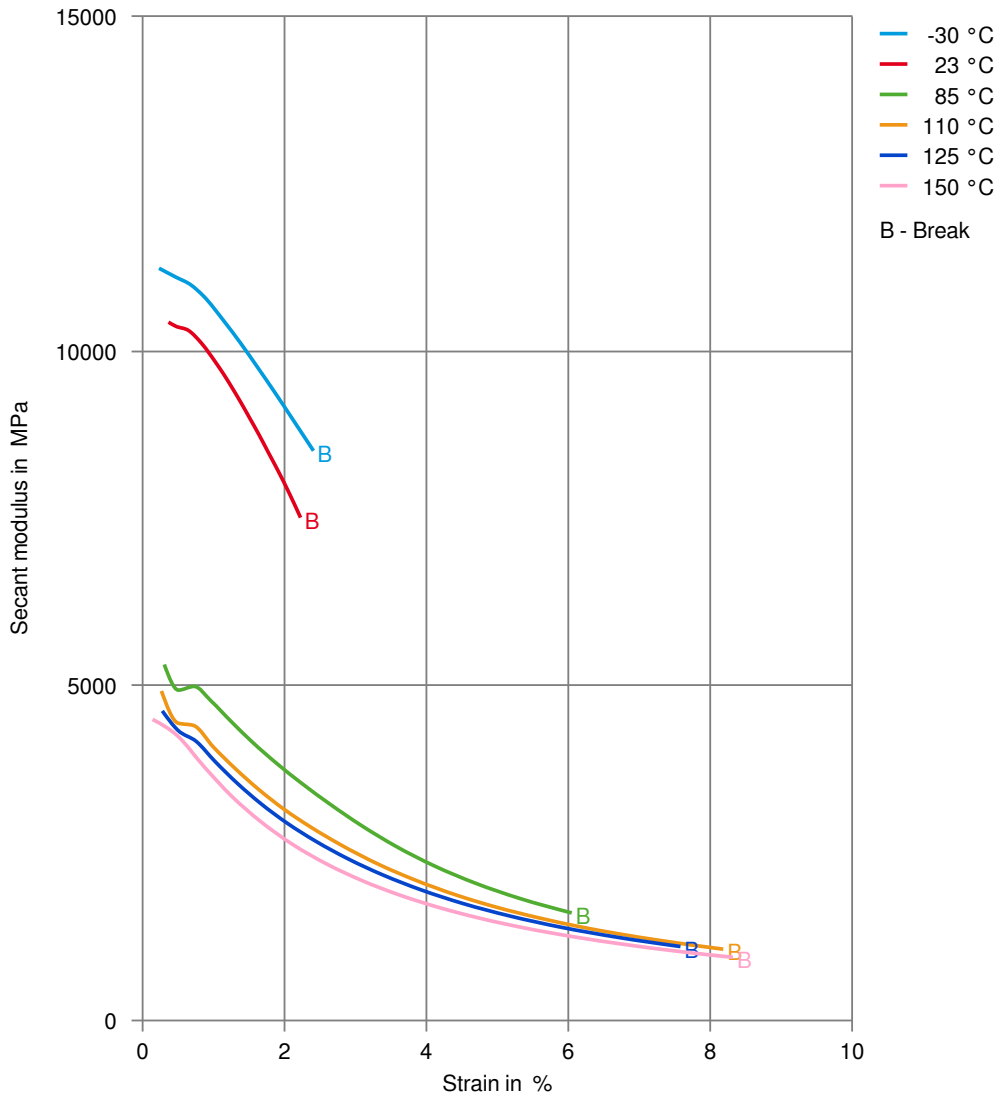
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### Secant modulus-strain (dry)



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### Secant modulus-strain (cond.)

