

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)-GF3	5	ISO 1043
Part Marking Code	>(PA66+PA6)-GF	35<	ISO 11469
Rheological properties			
0 1 1	0.2 - 0.4	0/	150 204 4 2577
Moulding shrinkage range, parallel Moulding shrinkage range, normal	0.2 - 0.4		ISO 294-4, 2577 ISO 294-4, 2577
woulding shimkage range, normal	0.0 - 0.0	70	100 204 4, 2017
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 ²	ISO 179/1eU
Charpy notched impact strength, 23°C	10/-	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	7/-	kJ/m²	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	38.0	mm/min	ISO 3795 (FMVSS 302)
Durning rate, Thickness Thim	50.9	11111/11111	130 37 33 (1 10 03 302)
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 Inje	ection Moulding		

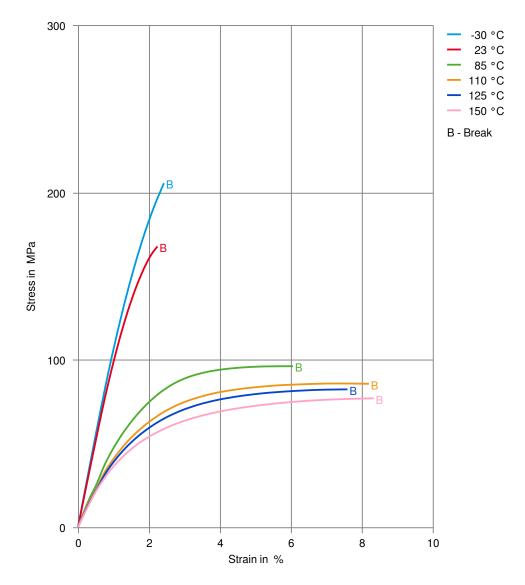
Trocessing	njeetion woolang
Delivery form	Granules
Additives	Contains Recycle
Special characteristics	Heat stabilised or stable to heat

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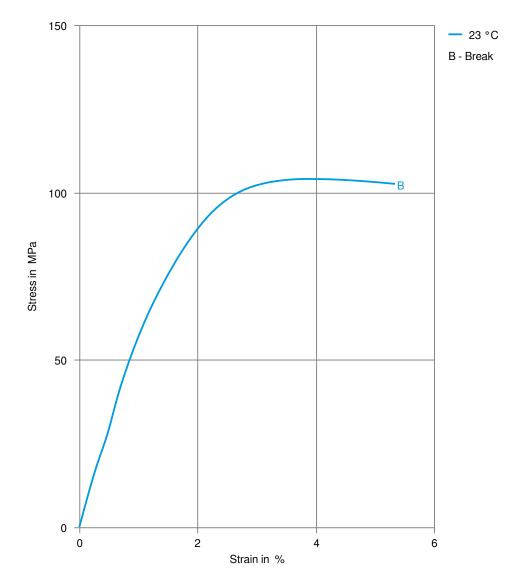
Stress-strain (dry)





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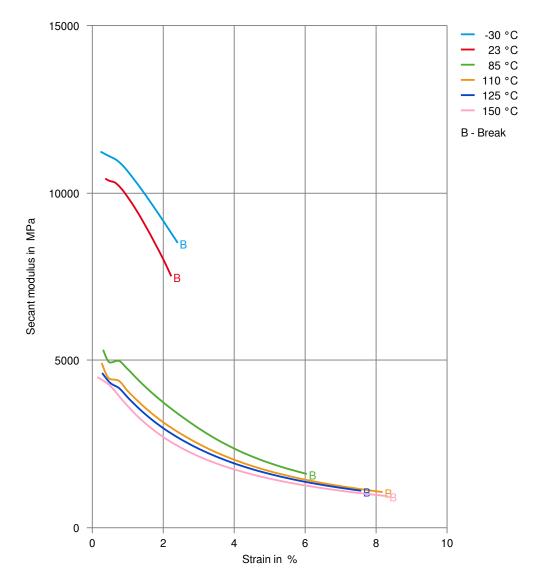
Stress-strain (cond.)





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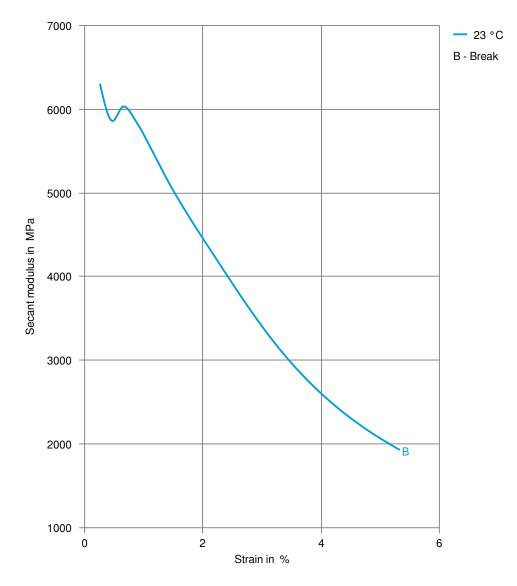
Secant modulus-strain (dry)





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Secant modulus-strain (cond.)



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