

General purpose grade, based on recycled polyamide, good flexibility and toughness.

Product information			
Resin Identification Part Marking Code Continuous Service Temperature [C]: Calculated	PA66-I >PA66-I< 130 <sup>[C]</sup>		ISO 1043 ISO 11469 IEC 60216-1
Rheological properties			
Moulding shrinkage range, parallel Moulding shrinkage range, normal	1.4 - 1.8 1.4 - 1.8		ISO 294-4, 2577 ISO 294-4, 2577
Typical mechanical properties	dry/cond.		
Tensile modulus Tensile stress at yield, 50mm/min Tensile strain at break, 50mm/min Charpy impact strength, 23°C Charpy notched impact strength, 23°C Ball indentation hardness, H 961/30 Poisson's ratio [C]: Calculated	2250/- 55/- 20/- 45/- 5/- 110/- 0.39/- <sup>[C]</sup>	MPa MPa % kJ/m <sup>2</sup> kJ/m <sup>2</sup> MPa	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 179/1eU ISO 179/1eA ISO 2039-1
Thermal properties	dry/cond.		
Melting temperature, 10°C/min Temperature of deflection under load, 1.8 MPa Temperature of deflection under load, 0.45 MPa	260/* 65/* 155/*	°C °C °C	ISO 11357-1/-3 ISO 75-1/-2 ISO 75-1/-2
Flammability	dry/cond.		
Burning Behav. at 1.5mm nom. thickn.	HB/*	class	IEC 60695-11-10
Physical/Other properties	dry/cond.		
Humidity absorption, 2mm Water absorption, 2mm Density	2/* 7.9/* 1110/-	% % kg/m³	Sim. to ISO 62 Sim. to ISO 62 ISO 1183
Injection			
Drying Recommended Drying Temperature Drying Time, Dehumidified Dryer Processing Moisture Content Melt Temperature Optimum Min. melt temperature Max. melt temperature Screw tangential speed Mold Temperature Optimum Min. mould temperature	2 - 4 ≤0.15 290 280 300 ≤0.3 80	% °C °C °C	

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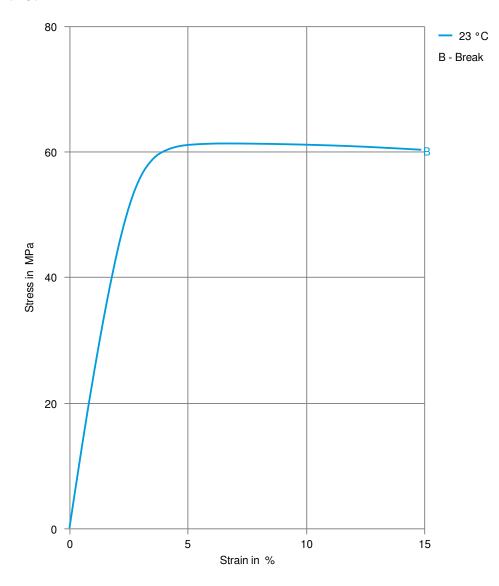
Max. mould temperature

100 °C

### Characteristics

ProcessingInjection MouldingDelivery formGranulesSpecial characteristicsHigh impact or impact modified, Heat stabilised or stable to heat

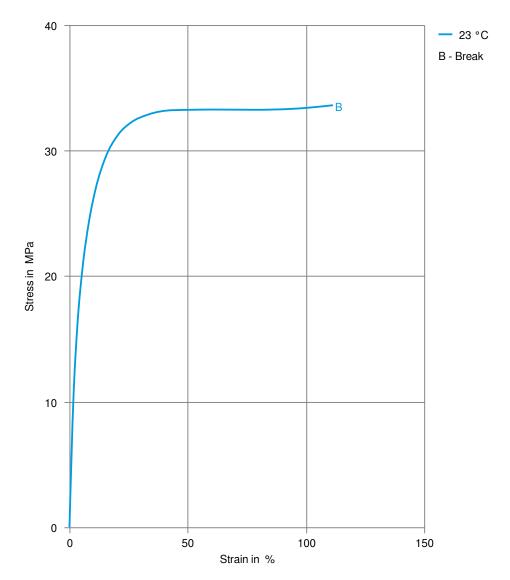
### Stress-strain (dry)







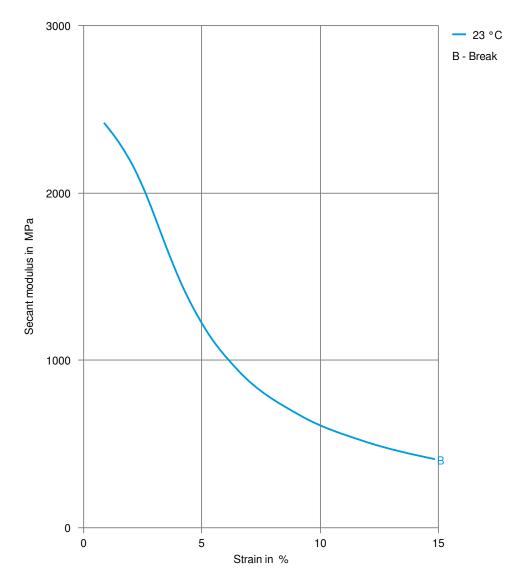
Stress-strain (cond.)







### Secant modulus-strain (dry)

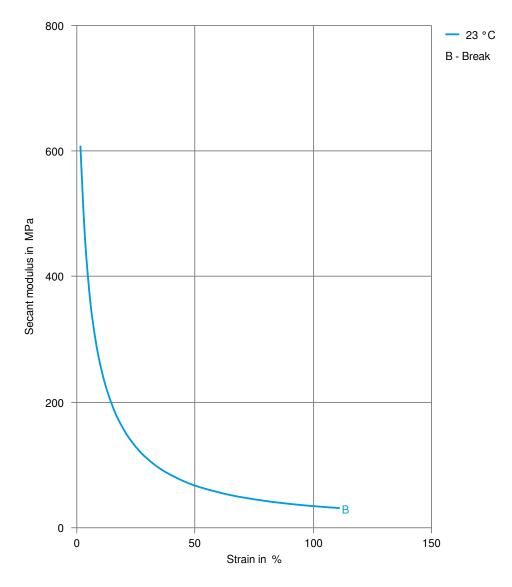






## ECOMID<sup>®</sup> ARX H D05 BK 9011/A ECOMID<sup>®</sup>

### Secant modulus-strain (cond.)



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#### Revised: 2024-11-26 Source: Celanese Materials Database

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