

POM copolymer Standard injection molding grade with reduced emissions especially for automotive interior application. Burning rate according to FMVSS 302 < 100 mm/min (1 mm thickness) Emission according to VDA 275 < 1 mg/kg.

#### **Rheological properties**

Melt volume-flow rate Temperature Load	8 190 2.16	-	ISO 1133
Typical mechanical properties			
Tensile Modulus Yield stress, 50mm/min Yield strain, 50mm/min Strain at break, 5mm/min Flexural Modulus Flexural Stress at 3.5% Charpy notched impact strength, 23°C Charpy notched impact strength, -30°C	10 30 2650 74 6.5	MPa % %	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 178 ISO 179/1eA ISO 179/1eA
Thermal properties			
Melting temperature, 10°C/min Temp. of deflection under load, 1.8 MPa Coeff. of linear therm. expansion, parallel Coeff. of linear therm. expansion, normal			ISO 11357-1/-3 ISO 75-1/-2 ISO 11359-1/-2 ISO 11359-1/-2
Other properties			
Humidity absorption, 2mm Water absorption, 2mm Density	0.2 0.65 1410		Sim. to ISO 62 Sim. to ISO 62 ISO 1183
Injection			
Drying Temperature Drying Time, Dehumidified Dryer Processing Moisture Content Screw tangential speed Max. mould temperature Back pressure Injection speed	100 - 120 3 - 4 0.15 0.2 - 0.21 80 - 120 4 slow-medium	h % m/s	

### Characteristics

#### Additives

Release agent



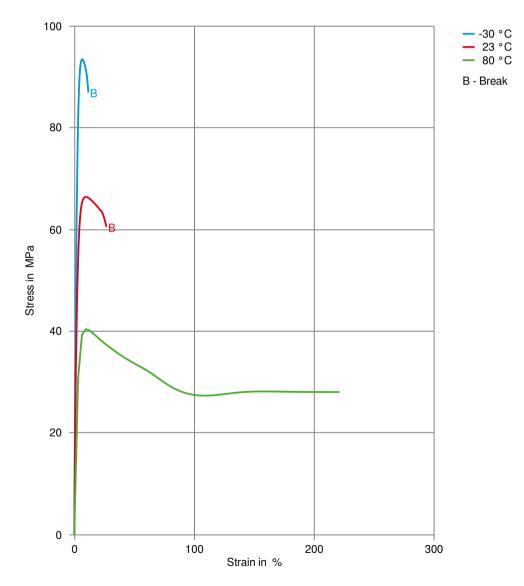
#### Additional information

Injection molding

Standard injection moulding machines with three phase (15 to 25 D) plasticating screws will fit.

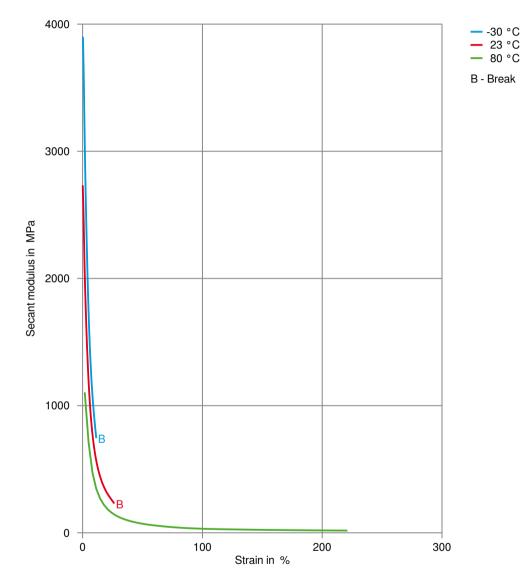
Melt temperature 180-190 °C Mould temperature 60-120 °C

#### Stress-strain





#### Secant modulus-strain





Processing Texts Pre-drying	recommended			
Injection molding	Standard injection moulding machines with three phase (15 to 25 D) plasticating screws will fit. Melt temperature 180-190 °C Mould temperature 60-120 °C			
Injection molding Preprocessing	To achive low emission values pre drying using a recirculating air dryer (100 to 120 °C / max. 40 mm layer / 3 to 6 hours) is recommended.			
	Max. Water content 0,1 %			
Injection molding Postprocessing	Conditioning e.g. moisturizing is not necessary.			
Other Approvals				
Other Approvals	OEM	Specification	Additional Information	
	Li Auto	Q/LiA5310020	2021 (V2)	

#### Printed: 2023-08-07

Revised: 2023-04-20 Source: Celanese Materials Database

Page: 4 of 4

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