

Ekatal® C 9

Acetal (POM) Copolymer
Sattler KunststoffWerk GmbH

Message:

Ekatal® C 9 is a polyoxymethylene (POM) copolymer product. It is available in Europe. Typical application areas are: automotive industry.

General Information			
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2610	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	59.4	MPa	ISO 527-2
Fracture	55.8	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	6.3	%	ISO 527-2
Fracture	28	%	ISO 527-2
Flexural Modulus	2550	MPa	ISO 178
Flexural Stress			ISO 178
--	89.3	MPa	ISO 178
3.5% strain	69.8	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.9	kJ/m²	ISO 179/1eA
23°C	4.8	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	98.0	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow	1.5E-4	cm/cm/°C	ISO 11359-2
Lateral	1.4E-4	cm/cm/°C	ISO 11359-2
Additional Information			

Melt Mass Flow Rate (MFR), ISO 1133, 190 °C/ 2.16kg: 8 to 12 g/10 minFlexural Strain at Flexural Strength, ISO 178: 7.5 %

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