

Ekatal® H 3

Acetal (POM) Copolymer

Sattler KunststoffWerk GmbH

Message:

Ekatal® H 3 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	1.41	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2740	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	68.8	MPa	ISO 527-2
Fracture	64.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	15	%	ISO 527-2
Fracture	42	%	ISO 527-2
Flexural Modulus	2700	MPa	ISO 178
Flexural Stress			ISO 178
--	95.9	MPa	ISO 178
3.5% strain	75.7	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	9.4	kJ/m ²	ISO 179/1eA
23°C	11	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	103	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 20 to 52°C	1.1E-4	cm/cm/°C	ISO 11359-2
Flow: 52 to 117°C	1.3E-4	cm/cm/°C	ISO 11359-2
Lateral: 20 to 52°C	9.9E-5	cm/cm/°C	ISO 11359-2
Lateral: 52 to 117°C	1.3E-4	cm/cm/°C	ISO 11359-2
Additional Information			

Melt Mass Flow Rate (MFR), ISO 1133, 190 °C/ 2.16kg: 2 to 4 g/10 minFlexural Strain at Flexural Strength, ISO 178: 7.4 %

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