

Ekatal® H 12

Acetal (POM) Copolymer

Sattler KunststoffWerk GmbH

Message:

Ekatal® H 12 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	1.42	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	12	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3030	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	72.5	MPa	ISO 527-2
Fracture	71.4	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	10	%	ISO 527-2
Fracture	16	%	ISO 527-2
Flexural Modulus	2870	MPa	ISO 178
Flexural Stress			ISO 178
--	104	MPa	ISO 178
3.5% strain	81.3	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.8	kJ/m ²	ISO 179/1eA
23°C	6.3	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	102	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 20 to 52°C	1.0E-4	cm/cm/°C	ISO 11359-2
Flow: 52 to 117°C	1.0E-4	cm/cm/°C	ISO 11359-2
Lateral: 20 to 52°C	9.4E-5	cm/cm/°C	ISO 11359-2
Lateral: 52 to 117°C	1.2E-4	cm/cm/°C	ISO 11359-2
Additional Information			

Melt Mass Flow Rate (MFR), ISO 1133, 190 °C/ 2.16kg: 10 to 14 g/10 minFlexural Strain at Flexural Strength, ISO 178: 7.6 %

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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