

Ekanyl® 16

Acrylonitrile Butadiene Styrene

Sattler KunststoffWerk GmbH

Message:

Ekanyl® 16 is an acrylonitrile butadiene styrene (ABS) product. It is available in Europe. Typical application areas are: automotive industry.

General Information			
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	16	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2140	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	42.4	MPa	ISO 527-2
Fracture	33.8	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	2.7	%	ISO 527-2
Fracture	8.9	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	3.6	kJ/m ²	ISO 179/1eA
23°C	8.4	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	77.0	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow	9.7E-5	cm/cm/°C	ISO 11359-2
Lateral	1.0E-4	cm/cm/°C	ISO 11359-2
Additional Information			

Melt Mass Flow Rate (MFR), ISO 1133, 220 °C/ 10kg: 13 to 19 g/10 min

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