

Ekalon® 14 E I S F

Polycarbonate
Sattler KunststoffWerk GmbH

Message:

Ekalon® 14 E I S F is a polycarbonate (PC) product. It is available in Europe.
Features include:
flame retardant/rated flame
Flame Retardant
Impact modification
mold release agent
excellent release agent

General Information			
Additive	Impact modifier		
	demoulding		
Features	Impact modification		
	Good demoulding performance		
	Medium viscosity		
	Flame retardancy		
UL File Number	E178422		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	14	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Vertical flow direction: 23°C	0.20 - 0.60	%	ISO 294-4
Flow direction: 23°C	0.30 - 0.80	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2200	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/10
Yield, 23°C	55.0	MPa	ISO 527-2/10
Fracture, 23°C	43.0	MPa	ISO 527-2/10
Tensile Strain			ISO 527-2/10
Yield, 23°C	4.0	%	ISO 527-2/10
Fracture, 23°C	50	%	ISO 527-2/10
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	135	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method

Flame Rating			UL 94
1.50 mm	V-0		UL 94
3.00 mm	V-0		UL 94
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	960	°C	IEC 60695-2-12
2.00 mm	960	°C	IEC 60695-2-12

Additional Information

Density, ISO 1183: 1.18 to 1.3 g/cm³Melt Mass-Flow Rate, ISO 1133, 300°C/1.2 kg: 12 to 16 g/10minNeedle Flame Test, DIN EN 60695-2-2, 1.5mm: 30 s

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