

CADON IM 30

Acrylonitrile Butadiene Styrene

ELIX Polymers, S. L.

Message:

CADON ABS IM 30
General purpose injection molding ABS grade with good flow characteristic and good low-temperature toughness

General Information			
Features	General Purpose		
	Good Flow		
	Low Temperature Toughness		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	25.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	84.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2100	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	43.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 5.0	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2310	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	13	kJ/m ²	
23°C	21	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Burning Rate ² (1.00 mm)	60	mm/min	ISO 3795
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	700	°C	IEC 60695-2-12
Optical	Nominal Value	Unit	Test Method
Yellowness Index	34	YI	ASTM E313
Additional Information	Nominal Value	Unit	Test Method
Residual Monomer	0.020	%	Internal Method
Injection Velocity	240	mm/sec	ISO 294
Injection	Nominal Value	Unit	Test Method
Processing (Melt) Temp	240	°C	
Mold Temperature	70.0	°C	

NOTE

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|----|------------|
| 1. | 2.0 mm/min |
| 2. | US - FMVSS |

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