

CADON CG 28

Acrylonitrile Butadiene Styrene

ELIX Polymers, S. L.

Message:

CADON ABS CG 28
High rubber content ABS copolymer with very high toughness and medium flow. Excellent impact and fracture resistance even at very low temperatures

General Information			
Features	Good Impact Resistance		
	Low Temperature Impact Resistance		
	Medium Flow		
	Ultra High Toughness		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.02	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	14.0	cm ³ /10min	ISO 1133
Butadiene Content	27	%	Internal Method
Residual Monomer	0.030	%	Internal Method
Injection Velocity	240	mm/sec	ISO 294
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	72.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1600	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	35.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 5.0	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	1720	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	21	kJ/m ²	
23°C	28	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	93.0	°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	31	YI	ASTM E313
Injection	Nominal Value	Unit	Test Method
Processing (Melt) Temp	240	°C	

Mold Temperature	70.0	°C
NOTE		
1.	2.0 mm/min	
2.	US - FMVSS	

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