

Advanced Composites BJ4H-CS BDX

Polypropylene

Advanced Composites, Inc.

Message:

Advanced Composites BJ4H-CS BDX is a polypropylene product. It is available in North America. Typical application areas are: automotive industry.

Features include:

beautiful

Impact resistance

General Information			
Features	Impact resistance, high Good appearance		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.890	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.90 - 1.2	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	15.4	MPa	ASTM D638
Tensile Elongation ² (Break)	500	%	ASTM D638
Flexural Modulus ³	720	MPa	ASTM D790
Flexural Strength ⁴	18.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-29°C	480	J/m	ASTM D256
23°C	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	67.0	°C	ASTM D648
Injection	Nominal Value	Unit	Test Method
Rear Temperature	171	°C	
Middle Temperature	179 - 199	°C	
Front Temperature	204	°C	
Nozzle Temperature	193	°C	
Processing (Melt) Temp	185 - 227	°C	
Mold Temperature	26.7 - 43.3	°C	
Injection Rate	Slow-Moderate		
Cushion	5.00 - 10.0	mm	

Injection instructions

Injection Pressure: 20 to 60% of machine capacity
Screw RPM: 1 to 2 secs before mold open

NOTE

- | | |
|----|-----------|
| 1. | 50 mm/min |
| 2. | 50 mm/min |
| 3. | 13 mm/min |
| 4. | 13 mm/min |

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