

Bexloy® W

Ionomer

DuPont Packaging & Industrial Polymers

Message:

Bexloy® W is available in a variety of grades. The properties below represent the range of properties for most grades. Where only one number is listed, all grades are represented by that value.
Bexloy® W modified ionomer resins were first engineered for injection molded exterior automotive applications such as molded-in-color fascia, bumper covers, side moldings and other decorative trim.

General Information			
Features	Highlight		
	stain resistance		
	Recyclable materials		
	Good color stability		
	Good coloring		
	Good wear resistance		
	Low temperature impact resistance		
	Scratch resistance		
	Good wear resistance		
	Good weather resistance		
Uses	Application in Automobile Field		
	Car interior parts		
	Automotive exterior parts		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.963	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.98	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	20.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	400	%	ASTM D638
Flexural Modulus - Tangent (23°C)	707	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	850	J/m	ASTM D256
Dart Drop Impact (-30°C)	36.2	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method

CLTE - Flow (-30 to 80°C)	8.3E-5	cm/cm/°C	ASTM D696
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Additional Information


The value listed as CLTE, ASTM 696, was tested in accordance with ASTM E831. Heat Sag, ASTM D3769, 152mm (6 in) Overhang, 30min, @ 180°F: 0.5in Tear Resistance, ASTM D624, Die C, 508mm (20in)/min, @ 73°F: 850 to 970lb/in Gardner Impact, ASTM D3209, -22°F: >320 in-lb Rheometric Impact, ultimate energy, 5mph, 1/2in dia. Tup, 3in dia. Ring, 73°F: 194 in-lb Rheometric Impact, ultimate energy, 5mph, 1/2in dia. Tup, 3in dia. Ring, -22°F: 159 in-lb Elongation at Break, ASTM D638, 73°F: >400% Flexural Modulus, Tangent, 73°F, ASTM D790: 95 to 110 kpsi Specific Gravity, 73°F, ASTM D792: 0.96 to 0.97 Tensile Strength, 73°F, ASTM D638: 2800 to 3200 psi Shrinkage, ASTM D955: 0.75 to 1.2% Coefficient of Linear Thermal Expansion, -22 to 176°F, ASTM E831: 4.2 to 5.0 x 10⁻⁵

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