

CELLwood® Pellets

Thermoplastic Elastomer

Microcell Composite Company

Message:

CELLwood foaming pellet is a compounded copolymer, which can be processing easily on most extrusion machines.

General Information			
Features	Copolymer		
	Foamable		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.600	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.70	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	1200	MPa	
Break	18.1	MPa	
--	18.1	MPa	
Tensile Elongation ²			ASTM D638
Yield	1.6	%	
Break	1.6	%	
Flexural Modulus ³	1450	MPa	ASTM D790
Flexural Strength ⁴	30.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	7.9	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	91.9	°C	ASTM D648
NOTE			
1.	5.0 mm/min		
2.	5.0 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

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