

Multilon® T-2830R

Polycarbonate + ABS

TEIJIN LIMITED

Message:

PC/ABS polymer alloy

General Information			
Features	High Heat Resistance		
	Low Temperature Impact Resistance		
Uses	Automotive Instrument Panel		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR)			ISO 1133
250°C/5.0 kg	18.0	cm ³ /10min	
260°C/5.0 kg	28.0	cm ³ /10min	
Molding Shrinkage ¹			Internal Method
Across Flow : 4.00 mm	0.50 to 0.70	%	
Flow : 4.00 mm	0.50 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2250	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	52.0	MPa	
Break	55.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	3.0	%	
Break	120	%	
Flexural Modulus ²	2150	MPa	ISO 178
Flexural Stress ³	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	35	kJ/m ²	
23°C	50	kJ/m ²	
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	125	°C	ISO 75-2/B
1.8 MPa, Unannealed	102	°C	ISO 75-2/A

Vicat Softening Temperature	120	°C	ISO 306/B50
CLTE			ISO 11359-2
Flow	8.0E-5	cm/cm/°C	
Transverse	8.0E-5	cm/cm/°C	

NOTE

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| 1. | Mold shrinkage of Multilon will vary depending on its application thickness. |
| 2. | 2.0 mm/min |
| 3. | 2.0 mm/min |

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