Multilon® T-2850R

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	1.11	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR)			ISO 1133
250°C/5.0 kg	19.0	cm³/10min	
260°C/5.0 kg	29.0	cm³/10min	
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	2100	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	48.0	MPa	
Break	50.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	3.0	%	
Break	120	%	
Flexural Modulus [2]	2000	MPa	ISO 178
Flexural Stress [3]	75.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-30°C	40	kJ/m²	
23°C	65	kJ/m²	
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	120	°C	ISO 75-2/B
1.8 MPa, Unannealed	95.0	°C	ISO 75-2/A

Vicat Softening Temperature	111	°C	ISO 306/B50
CLTE			ISO 11359-2
Flow	8.0E-5	cm/cm/°C	
Transverse	8.0E-5	cm/cm/°C	

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

Recommended distributors for this material

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