

## Technical Data Sheet

# H2938Z

## ABS

### PRODUCT DESCRIPTION:

ABSH2938Z is heat resistance ABS with low gloss, toughness and good UV stability.

### FEATURES:

- High rigidity
- High toughness

### APPLICATION:

- DP

Properties	Standard	Condition	Unit	Typical Value
<b>Physical</b>				
Density	ISO 1183	23°C	g/cm <sup>3</sup>	1.06
Mold Shrinkage	ISO 294	23°C, 48hr	%	0.4-0.7
Poisson's Ratio	ISO 527	1mm/min	—	0.38
<b>Mechanical</b>				
Tensile Strength	ISO 527	50mm/min	MPa	43
Elongation at Break	ISO 527	50mm/min	%	30
Flexural Strength	ISO 178	2mm/min	MPa	60
Flexural Modulus	ISO 178	2mm/min	MPa	2100
Notched Izod Impact	ISO 180	5.5J, 23°C	kJ/m <sup>2</sup>	17
Notched Izod Impact	ISO 180	5.5J, -30°C	kJ/m <sup>2</sup>	8
Rockwell Hardness	ISO 2039-2	23°C	R-scale	106
<b>Thermal</b>				
Heat Deflection Temperature	ISO 75	120°C/hr, 0.45MPa	°C	98
Heat Deflection Temperature	ISO 75	120°C/hr, 1.80MPa	°C	85
Vicat Softening Temperature	ISO 306	50°C/hr, 5kg	°C	102
<b>Other Properties</b>				
Flammability	ISO 3795	355×100×3 mm	mm/min	≤80

Processing Parameters		Value	Unit
<b>Pre-treatment</b>			
Drying Temperature		80 ~ 95	°C
Drying Time		3 ~ 4	hour
Maximum Moisture Content		≤0.05	%
<b>General Guidelines</b>			
Barrel Temperature	Rear	200 ~ 220	°C
	Middle	230 ~ 240	°C
	Front	240 ~ 250	°C
Nozzle		250 ~ 260	°C
Melt Temperature		250 ~ 260	°C
Mold Temperature		50 ~ 80	°C

**Note :**

1. Values are measured at 23°C and in RH of 50% on injection molded specimens.
2. Typical values for uncolored products, not specifications, and may vary slightly with different colors.
3. Flexural strength is tested with fixed deflection.
4. HDT: specimens are unannealed.
5. The general guidelines are only for reference. Exact settings have to follow the product and machine conditions.

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