



**POLESTAR POLYMERS INDIA PVT. LTD.**

An ISO 9001 : 2015 Certified Company

# **STELLO® B**

## **Technical Data Sheet – Rods, Sheets**

*(Acrylonitrile Butadiene Styrene)*

<b>Properties</b>	<b>Test Method</b>	<b>Unit</b>	<b>Value</b>
Specific Gravity	ASTM D792	g/cm <sup>3</sup>	1.05
Tensile yield strength	ASTM D638	Mpa	50
Breaking elongation	ASTM D638	%	40
Bending strength	ASTM 790	Mpa	60
Flexural modulus	ASTM 790	Mpa	1800
Shore hardness	ASTM D2240	D	80
Impact strength	ASTM D256	J/M	200
Heat distortion temperature	ASTM D648	°C	80
Operating temperature	-	°C	75
Maximum Operating temperature	-	°C	100
Thermal conductivity	DIN 52612-1	W/(K-M)	0.17
Coefficient of linear thermal expansion	ASTM D696	10 <sup>-5</sup> -1/K	9
Dielectric strength	ASTM D150	KV-mm	22
Volume resistivity	ASTM D257	Ω.cm	10 <sup>15</sup>
Surface resistivity	ASTM D257	Ω	10 <sup>14</sup>
Dielectric constant	ASTM D149	-	3.3
Water absorption	23°C 60%RH	%	0.4
Flammability	UL 94		HB
Coefficient of friction	DIN 53375		0.5

**Note:** The information contained herein are typical values intended for reference and comparison purposes only. They should not be used as a basis for design specifications or quality control. POLESTAR POLYMERS INDIA PVT. LTD. will not provide any legally binding guarantee of certain properties or any suitability.

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