

**Datasheet SAN**

<u>Properties</u>	<u>Method</u>	<u>Unity</u>	<u>Typical values</u>
<b><u>PHYSICAL</u></b>			
- Density	ISO 1183	G/cm <sup>3</sup>	1,08
<b><u>OPTICAL</u></b>			
- Refractive Index	ASTM D-542	-	1,561
- Light Transmission	D-1003	%	86
<b><u>MECHANICAL</u></b>			
- Tensile Strength @ breakage	ISO 527	Mpa	67
- Elongation @ breakage	ISO 527	%	2,5
- Tensile Modus of Elasticity	ISO 527	MPa	3.700
- Flexure Strength	ISO 178	MPa	97
- Charpy Impact Strength notched	ISO 179	kJ/m <sup>2</sup>	1.28
- Charpy Impact Strength un-notched	ISO 179	kJ/m <sup>2</sup>	17
- Rockwell Hardness		M-scale	83
- Bail Pressure Hardness	ISO 2039	MPa	165
<b><u>THERMAL</u></b>			
- Vicat Softening Point (10N)	ISO 306	°C	108
- Vicat Softening Point (50N)	ISO 306	°C	105
- Deflection Temperature HDT A (1.8 MPa)	ISO 75-2	°C	98
- Deflection Temperature HDT B (0.45 MPa)	ISO 75-2	°C	101
- Thermal Expansion Coefficient	ISO 75-2	x10 <sup>-5</sup> /°C	7
- Max. Recommended Continuous Service Temperature		°C	85