

TufCoat™ SR20

PROPERTY	TEST METHOD	UNITS	VALUE
OPTICAL			
Light Transmission	ASTM D1003	%	91.6
Haze	ASTM D1003	%	0.8
Refractive Index	ISO 489	-	1.49
THERMAL			
Melt Flow Index	ISO 1133	gms/10min	7.6
Vicat Softening Point	ISO 306A	°C	104
	ISO 306B	°C	99
Heat Deflection Temperature	ISO 75A	°C	96
	ISO 75B	°C	100
Coefficient of Expansion	ASTM D696	cm/cm°C x 10 ⁻⁵	7.1
MECHANICAL			
Tensile Strength	ISO 527	MPa	79
Elongation	ISO 527	%	3.6
Flexural Modulus	ISO 178	GPa	3.5
Flexural Strength	ISO 178	MPa	100
Izod Impact Strength	ISO 180/1A	kJ/m ²	2.1
Charpy Impact Strength	ISO 179/1eA	kJ/m ²	1.6
	ISO 179/1eU	kJ/m ²	20
Instrumented Falling Weight Impact Strength	ISO 6603/2	J	0.6
GENERAL			
Relative Density	ISO 1183	-	1.18
Rockwell Hardness	ISO 2039-2	M Scale	92
Ball Indentation Hardness	ISO 2039-1	Mpa	185
	H961/30		
Mould Shrinkage	-	%	0.4-0.7
Water Absorption	ISO 62	%	0.3
Flammability	UL94	-	HB

The above data represents typical results obtained using standard test pieces. It should not form the basis of specifications. Information contained in this publication (and otherwise supplied to users) is based on our general experience and is given in good faith, but we are unable to guarantee its accuracy or to accept responsibility in respect of factors outside our knowledge or control. Freedom under patent, copyright and registered designs cannot be assumed. Users of TufCoat polymer should consult the relevant Material Safety Data Sheet. Lucite and TufCoat are registered trademarks of the Lucite International group of companies.

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