

# Sicostirolo® CR H 3441

High Impact Polystyrene  
Industrial Quality Compound

## Description:

High impact polystyrene, natural

## General

MFI (200°C/5kg)	ISO 1133	7	g/10min
Density	ISO 1183	1.05	g/cm <sup>3</sup>
Linear mould shrinkage	ASTM D955	0.4-0.7	%

## Thermal

HDT/A (1,82MPa)	ISO 75A	70	°C
Vicat softening point (B50 (50N))	ISO 306	82	°C
Vicat softening point (A50(10N))	ISO 306	90	°C

## Mechanical

Izod notched impact strength (23°C)	ISO 180	7	kJ/m <sup>2</sup>
Tensile stress at yield	ISO 527	20	MPa
Tensile stress at break	ISO 527	16	MPa
Elongation at break	ISO 527	30	%
Flex modulus	ISO 178	2000	MPa

## Flammability

Flammability (3,2mm)	UL94	HB	
Flammability (1,6mm)	UL94	HB	
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	550	°C

## Various

Surface resistivity	IEC 60093	1E15	Ohm
Volume resistivity	IEC 60093	1E15	Ohm.cm
Dielectric rigidity (Oil 1mm)	IEC 60243-1	60	kV/mm
CTI	IEC 60112	500	V

The data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. Ravago industrial quality compounds are totally or partially produced with non-prime quality ingredients. Even though the selection of the raw materials, the production and the quality control is being done following to the common best practices, it is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

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