

# ESTYRENICS 442

High Impact Polystyrene

PCC Plastics & Consultations Center

## Message:

ESTYRENICS 442 is a High Impact Polystyrene product. It is available in Africa & Middle East or Europe. Applications of ESTYRENICS 442 include containers, consumer goods, household applications and sheet. Primary characteristic: impact resistant.

### General Information

Features	High Impact Resistance
Uses	Consumer Applications Containers Food Containers Household Goods Sheet

### Physical

	Nominal Value	Unit
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Density	1.04	g/cm <sup>3</sup>
Melt Volume-Flow Rate (MVR)	5.70	cm <sup>3</sup> /10min

### Mechanical

	Nominal Value	Unit
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Tensile Modulus	2450	MPa
Tensile Strength (Break)	28.0	MPa
Tensile Elongation (Break)	45	%
Flexural Strength	45.0	MPa

### Impact

	Nominal Value	Unit
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Charpy Unnotched Impact Strength	7.0	kJ/m <sup>2</sup>
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### Thermal

	Nominal Value	Unit
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Vicat Softening Temperature	94.0	°C
Deflection Temperature	85	°C
Residual Monomer	200	ppm

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### Recommended distributors for this material

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