

Typical properties of co-polymer polypropylene as used in *Propylex* sheet

Typical Properties	Test Method	Unit	Value
<i>Physical Properties</i>			
Density	ISO 1183	g/cm ³	0.91
<i>Mechanical Properties</i>			
Hardness Shore D	ISO 868	Points	60
Izod Impact Strength (Notched) at 23°C at -20°C	ISO 180	kJ/m ²	60 6.5
Flexural Modulus	ISO 178	MPa	1050
Tensile Strength Yield	ISO R527	MPa	26
Elongation At Yield	ISO R527	%	16
Tensile Modulus	ISO 527	MPa	900-1100
<i>Thermal Properties</i>			
Vicat Softening Point (9.8N)	ISO 306/A	°C	151
HDT(0.46 MPa)	ISO 75/B	°C	88
Linear Co-efficient of Expansion	DIN 53752	°C	1x10 ⁻⁴ at 20°C 2x10 ⁻⁴ at 90°C
<i>Fire Rating</i>			
BS476 Part 7	-	-	Class 4
MVS 302 (1mm&above)	-	-	Passes
UL94HB (Internal Test)	-	-	Passes

The properties shown are typical and are obtained by averaging a number of test results. Divergences from the quoted figures may occur due to pigmentation levels.

This information is based on our present technical knowledge and experience. In view of the large number of factors that may influence the processing and varied use of this product, this information does not relieve processors, users and manufacturers of the need to carry out their own tests and experiments. Our technical department will be pleased to assist customers with any queries relating to particular properties or of suitability for particular end uses.

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