

Description

KYLflex L5510, with nominal durometer hardness of 55D. It contains a discoloring stabiliser.

Properties	Value	Unit	Method
Physical Properties			
Melting Flow Index(230℃,2.16kg)	10	g/10min	ISO 1133
Density	1190	kg/m ³	ISO 1183
Mechanical Properties			
Flexural Modulus	180	MPa	ISO 178
Tensile Strength at break	36	MPa	ISO 527
Tensile Elongation at break	600	%	ISO 527
Shore D hardness,max	55	-	ISO 868
Shore D hardness,15s	52	-	ISO 868
Tear Strength	140	KN/m	ISO 34-B
Izod Notched Impact Strength (+23℃)	NB	KJ/m ²	ISO 180
Izod Notched Impact Strength (-30℃)	NB	KJ/m ²	ISO 180
Thermal Properties			
Melting Point(10℃/min)	203	℃	ISO 11357
Vicat Softening Temperature(50℃/h,10N)	180	℃	ISO 306
UL Flammability Rank, 1.60 mm	HB	class	UL 94
Electrical Properties			
Volume Resistivity	2.00E+12	Ohm*cm	IEC 60093
Surface Resistivity	1.00E+15	Ohm	IEC 60093
Dielectric Strength	20	kV/mm	IEC 60243-1
Comparative Tracking Index	600	-	IEC 60112
Other Properties			
Water Absorption,24h	0.5	%	ISO 62
Mold Shrinkage	1.5	%	ISO 294

* Technical datasheet are the typical values of the material and not specifications.

Condition of Molding

Injection	Melting temperature	210-225	°C
	Screw temperature	225-245	°C
	Die temperature	225-250	°C
	Mold temperature	40-60	°C
Extrusion	Melting temperature	205-225	°C
	Screw temperature	215-240	°C
	Die temperature	215-245	°C

We recommend drying condition: 100- 110 °C * 2-4hours.

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