KOLON PLASTICS, INC.

Product Information

HR Grade

KOPEL® HR grade

KOPEL® HR grade have a enhanced elasticity and heat resistance compared to standard grade.
It contains no toxic or hazardous materials which is restricted for using.
It can be processed by conventional processing method like a injection molding and extrusion.

KOPEL® KP3335HR

: low modulus injection/extrusion grade with 35 shore D hardness

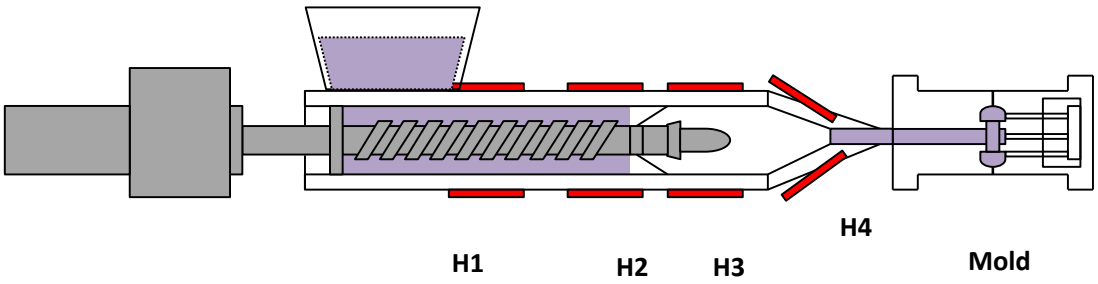
Properties		Test Method	Unit	Value
Physical				
Specific Gravity		ISO 1183	-	1.11
Filler Contents		ISO 1172	%	N.D
Shrinkage	Flow/Transverse	ISO 294	%	0.92/0.83
Water Absorption	23℃,H_2O, 24hr	ISO 62	%	0.62
Mechanical				
Tensile Strength	23℃	ISO 527	MPa	14
Tensile Elongation	23℃	ISO 527	%	900
Flexural Modulus	23℃	ISO 178	MPa	60
Notched Charpy Impact Streng	23℃	ISO 179/1eA	kJ/m^2	N.B
Shore Hardness (Max)		ISO 868	Shore D	38
Thermal				
Melting Point		ISO 11357-1	℃	165
Vicat temperature		ISO 306	℃	100
Melt flow rate (200℃, 2.16kg)		ISO 1133	g/10min	18
Flammability(0.8mm)		UL94		HB

KOLON PLASTICS, INC.

Electrical

Dielectric strength	IEC 60243	kv/mm	-
Dielectric constant	ASTM D150	-	-
Dissipation factor	ASTM D150	-	-
Volume Resistivity	IEC 60093	Ohm.cm	-

Processing Guide (Injection Molding)



	H1	H2	H3	H4
Cylinder Temperature(℃)	140~160	160~190	170~200	190~200
Mold Temperature(℃)		30~80		
Processing Moisture Contents(%)		≤0.08		
Pre-drying	Dehumidified Dryer, 100~110℃, 3~6hr			

The above-mentioned data was measured by Kolon Plastics, inc,. under certain conditions and environment. Therefore, it can not be compared with the data measured under different conditions and environment. And not guaranteed and no warranty. If other additives and pigments are used on this product, The above data cannot be applied. The data can not be used as the evidence of legal proceedings.

Contact

www.kolonplastics.com

KOLON PLASTICS, INC.
10F, an annex to Kolon Tower 13, Kolon-ro, Gwacheon-si, Gyeonggi-do, Korea

ISO TS16949