

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**

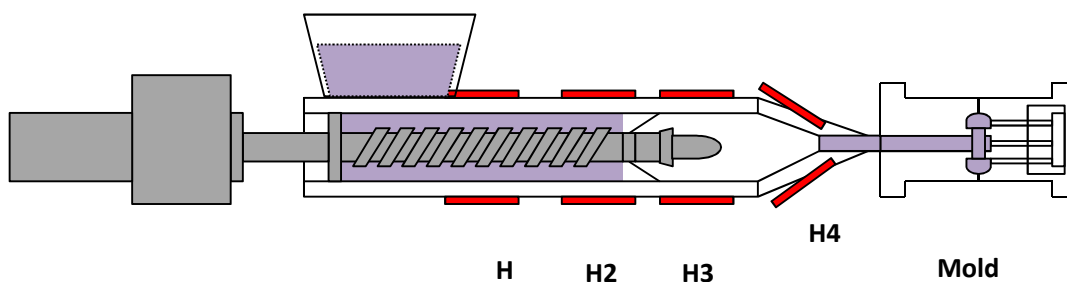
Properties		Test Method	Unit	Value
Physical				
Specific Gravity		ISO 1183	-	1.11
Filler Contents		ISO 1172	%	N.D
Shrinkage		ISO 294-4	%	0.5
Water Absorption	23°C,H ₂ O, 24hr	ISO 62	%	0.5
Mechanical				
Tensile Strength	23°C	ISO 527	MPa	14
Tensile Elongation	23°C	ISO 527	%	900
Flexural Modulus	23°C	ISO 178	MPa	60
Notched Charpy Impact Strength	23°C	ISO 179/1eA	kJ/m ²	N.B
Shore Hardness (Max)		ISO 868	Shore D	36
Thermal				
Melting Point		ISO 11357-1	°C	165
Vicat temperature		ISO 306	°C	100
Melt flow rate (200°C, 2.16kg)		ISO 1133	g/10min	18
Flammability(0.8mm)		UL94		HB



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(°C)	140~160	160~190	170~200	190~200
Mold Temperature(°C)	30~80			
Processing Moisture Contents(%)	≤0.08			
Pre-drying	Dehumidified Dryer, 100~110°C, 3~6hr			