

HYOSUNG POLYKETONE

M640A

High viscosity and Heat-resisting grade for injection molding (Natural color)

Property	Standard	Units	Value
Physical			
Density	ASTM D792	g/cm ³	1.24
Mold Shrinkage(Flow Direction)	ASTM D955	%	1.8~2.0
Water Content(23°C, 60%RH, Eq.)	ASTM D570	%	0.45
Thermal			
Melting Temperature	ASTM D1525	°C	235
Melt Flow Rate 240°C, 2.16kg	ASTM D1238	g/10min	6
Deflection Temperature	ASTM D648		
HDT 0.45MPa(4.6 Kg/cm ²)		°C	220
HDT 1.82MPa(18.6 Kg/cm ²)		°C	115
Flammability	UL94	-	HB
Mechanical			
Tensile Strength 23°C	ASTM D638	Kg/cm ²	650
Nominal Strain at Break 23°C	ASTM D638	%	>300
Flexural Strength 23°C	ASTM D790	Kg/cm ²	650
Flexural Modulus 23°C	ASTM D790	Kg/cm ²	17,000
Charpy Notched Impact trength 23°C	ASTM D256	Kgcm/cm	20
Rockwell Hardness R scale	ASTM D785	-	105
Electrical			
Volume Resistivity	ASTM D257	Ωcm	10 ¹⁵
Dielectric Strength	ASTM D149	KV/mm	20

Properties are subject to change with a new knowledge and development.

DISCLAIMER : The information contained in this data sheet is based on our current knowledge and experience, so it may change as new knowledge and experience becomes available. This information is based on only above-mentioned product produced in HYOSUNG CORPORATION through relevant test methods and conditions and doesn't relate to any products made of this product with the inclusion of other additives, such as processing aids or colorants. This information should not be construed as a promise or guarantee of specific properties of this product described or its suitability for a particular application, so users make their own determination as to its suitability to their purposes prior to use this product. It is the sole responsibility of the users to investigate whether any existing patents are infringed by the use of this product. HYOSUNG makes no warranty and assumes no liability in connection with any use of this information.

HYOSUNG CORPORATION CO., LTD
Head office Tel. 82-2-707-7627
Research center Tel. 82-31-428-1415