

Product Information

Product Characteristics

- High Clarity
- High Rigidity
- Ultra High Molecular Weight

Properties	Test Method	Unit	Typical Values
Physical Properties¹			
Melt Flow Rate (200°C @ 49N)	ISO 1133	g/10 min	1.8
Rockwell Hardness	ISO 2039-2	M Scale	75
Density	ISO 1183	kg/m ³	1040
Haze	ISO 14782	%	0.3
Mechanical Properties¹			
Tensile Strength	ISO 527-1,2	MPa	47
Elongation at Break	ISO 527-1,2	%	<3
Flexural Strength	ISO 178	MPa	102
Flexural Modulus	ISO 178	MPa	3300
Charpy Impact Strength	ISO 179	KJ/m ²	2.8
Thermal Properties¹			
Vicat Softening Temperature 50N	ISO 306	°C	93
Deflection Temperature Under Load, 1.82 Mpa	ISO 75-1,2	°C	74
Flammability	UL 94	-	HB

¹ Typical Properties; not to be construed as specifications. The data is intended as a general guideline only and does not necessarily represent the results that may be obtained otherwise.

Denka Styrol® is a registered trademark of Denki Kagaku Kogyo and is distributed by Calsak Corporation

Issued 9-1-13