

Technical Information of 302UV-5

SD POLYCA* 302UV-5 resin is designed for injection molding products. This grade exhibits an excellent balance of heat resistance, transparency and impact strength.

Applications

- Eyewear lens

Properties	Test method	Test condition	unit	302UV-5
Tensile strength	ISO 527-2	—	MPa	60
Tensile modulus	ISO 527-2	—	MPa	2300
Elongation percentage	ISO 527-2	—	%	110
Flexural strength	ISO 178	—	MPa	94
Flexural modulus	ISO 178	—	MPa	2300
Charpy impact strength	ISO 179-2	Notched	KJ/m ²	80
Deflection temp. under load	ISO 75-2	No anneal	°C	130
Melt volume flow rate	ISO 1133	300°C 1.2kg	cm ³ /10min	5
Density	ISO 1183	—	Kg/cm ³	1200
Water absorption	ISO 62	23°C/24Hrs in water	%	0.20

* Typical property values; not to be construed as sales specification

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