



Makrolon® LED2445 HC
PC

Covestro Deutschland AG

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	17	cm³/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2300	MPa	ISO 527
Yield stress	64	MPa	ISO 527
Yield strain	6.1	%	ISO 527
Stress at Break	71	MPa	ISO 527
Strain at Break	143	%	ISO 527
Notched Impact Strength (Izod), 23 °C	59	kJ/m²	ISO 180/1A
Notched Impact Strength (Izod)	54	kJ/m²	ISO 180/1A
Temperature	-10	°C	-

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, 50 °C/h 50N	147	°C	ISO 306

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Melt temperature	280	°C	-
Mold temperature	90	°C	-

Characteristics

Processing

Injection Molding

Additives

Release agent

Special Characteristics

Transparent