

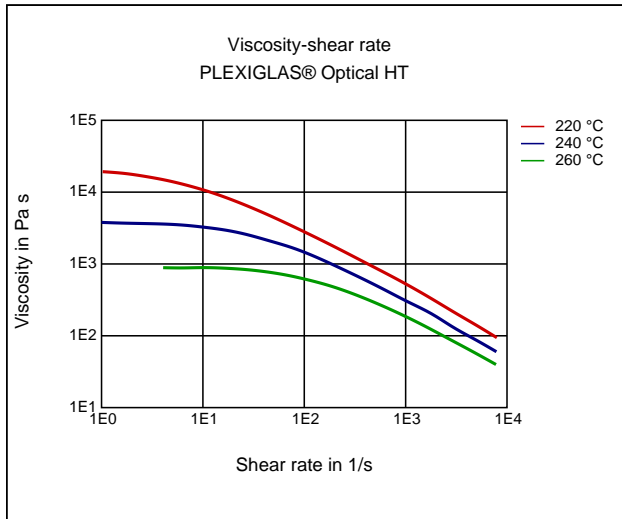
PLEXIGLAS® Optical HT PMMA

Röhm GmbH

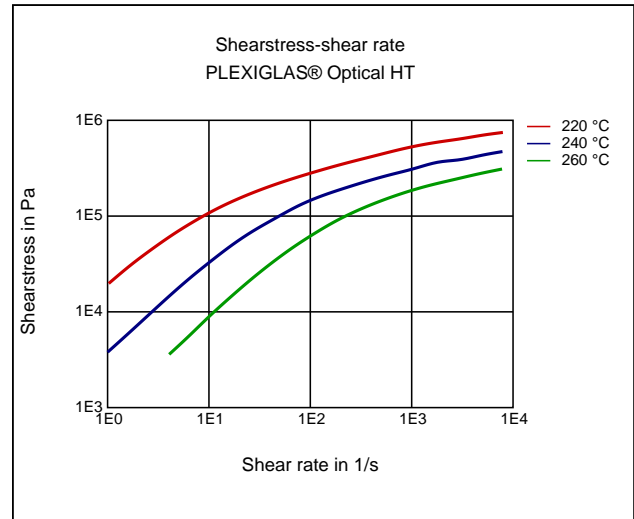
Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	2	cm³/10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-
Mechanical Properties			
ISO Data			
Tensile Modulus	3600	MPa	ISO 527
Stress at Break	71	MPa	ISO 527
Strain at Break	3	%	ISO 527
Impact Strength (Charpy), +23°C	20	kJ/m²	ISO 179/1eU
Thermal Properties			
ISO Data			
Glass Transition Temperature (10°C/min)	122	°C	ISO 11357-1/-2
Temp. of deflection under load (1.80 MPa)	114	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	117	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	118	°C	ISO 306
Coeff. of Linear Therm. Expansion, parallel	70	E-6/K	ISO 11359-1/-2
Burning Behav. at 1.5 mm Nom. Thickn.	HB	class	UL 94
Thickness tested	1.5	mm	-
UL recognition	yes	-	-
Other Properties			
ISO Data			
Density	1190	kg/m³	ISO 1183
Material Specific Properties			
ISO Data			
Luminous transmittance	92	%	ISO 13468-1, -2
Processing Recommendation Injection Molding			
Pre-drying - Temperature	90 - 100	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	230 - 250	°C	-
Mold temperature	75 - 95	°C	-

Diagrams

Viscosity-shear rate



Shearstress-shear rate



Characteristics

Processing

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion

Delivery form

Pellets

Special Characteristics

Light stabilized or stable to light, UV stabilized, Heat aging stabilized, Transparent

Features

Amorphous

Applications

Automotive

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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