

PLEXIGLAS® Hi-Gloss FT15 black 9V022

PMMA

Röhm GmbH

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	4.5	cm³/10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3500	MPa	ISO 527
Stress at Break	50	MPa	ISO 527
Strain at Break	3.1	%	ISO 527
Impact Strength (Charpy), +23°C	18	kJ/m²	ISO 179/1eU

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Glass Transition Temperature (10°C/min)	121	°C	ISO 11357-1/-2
Temp. of deflection under load (1.80 MPa)	105	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	107	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	115	°C	ISO 306
Glow Wire Ignition Temperature)	675	°C	IEC 60695-2-13

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1190	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	220 - 250	°C	-
Mold temperature	70 - 95	°C	-

Characteristics

Processing Injection Molding	Features High Gloss
Delivery form Pellets, Black	Applications Automotive
Special Characteristics UV stabilized	