SCHULAMID® 66 MV HI K1416

PA66 LyondellBasell Industries

Product Texts

Increased impact modified PA 66 grade

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2100 / 750**	MPa	ISO 527
[C] Yield stress	**55 / 40**	MPa	ISO 527
[C] Yield strain	**5.5 / 25**	%	ISO 527
[C] Charpy impact strength, +23°C	**N / N**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**N / -**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**65 / 95**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**18 / -**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**62 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**140 / ***	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**210 / ***	°C	ISO 306

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Water absorption	**2.1 / ***	%	Sim. to ISO 62
[C] Density	**1080 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**4 - 6**	h	-
Melt temperature	**280 - 310**	°C	-
Mold temperature	**60 - 100**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Granules

Additives
Release agent, Plasticizer

Special Characteristics
High impact or impact modified

Regional Availability
North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Other text information

Injection molding

PREPROCESSING; **Pretreatment**
Predrying: 4-6h / 80°C

PROCESSING ;**Processing:**

Melttemperature	280 - 310	°C
Mouldtemperature	60 - 100	°C