Arnitel® PL420-H - Shore 38 D

TPC DSM Engineering Plastics

Product Texts

Injection Molding, Heat Stabilized

ISO 18064 TPC-ET

Discolouration might occur as a result of heat stabilizing package

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	23	cm³/10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	100	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	N	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	N	kJ/m²	ISO 179/1eA
Stress at 10% elongation	5.3	MPa	ISO 527-1/-2
Stress at 100% elongation	10.8	MPa	ISO 527-1/-2
Stress at break TPE	17.5	MPa	ISO 527-1/-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature (10°C/min)	220	°C	ISO 11357-1/-3
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	IEC 60695-11-10
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	IEC 60695-11-10

Other properties	Value	Unit	Test Standard
ISO Data			
Density	1180	kg/m³	ISO 1183

Characteristics

Processing
Injection Molding

Special Characteristics
Heat stabilized or stable to heat

Delivery form
Pellets

Other text information

Injection Molding
Injection Molding Recommendations