

Arnitel® PL460-S - Shore 60 D			
TPC FR(17)			DSM Engineering Plastics
Product Texts			
Injection Molding, Flame Retardant			
ISO 18064 TPC-ET FR(17)			
Arnitel website			
Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	18	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	240	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	60	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	22	kJ/m ²	ISO 179/1eA
Stress at 10% elongation	10.6	MPa	ISO 527-1/-2
Stress at 100% elongation	16.1	MPa	ISO 527-1/-2
Stress at break TPE	21.3	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.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	IEC 60695-11-10
UL recognition	UL	-	-
Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 100Hz	5.3	-	IEC 60250
Relative permittivity, 1MHz	4.8	-	IEC 60250
Other properties	Value	Unit	Test Standard
ISO Data			
Water absorption	3.5	%	Sim. to ISO 62
Humidity absorption	0.4	%	Sim. to ISO 62
Density	1410	kg/m ³	ISO 1183
Characteristics			
Processing	Special Characteristics		
Injection Molding	Flame retardant		
Delivery form			
Pellets			
Other text information			
Injection Molding			
Injection Molding Recommendations			