Hytrel® HTR8206

TPC | Celanese

Product Texts

Hytrel® HTR8206 is a High Performance Polyester Elastomer with High Moisture Vapor Transmission Rate Developed for Extrusion and Injection Molding

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**14**	cm³/10min	ISO 1133
Temperature	**220**	°C	-
Load	**2.16**	kg	-
[C] Molding shrinkage, parallel	**1.4**	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**1.5**	%	ISO 294-4, 2577
[C] Density of melt	**1020**	kg/m³	-
[C] Thermal conductivity of melt	**0.16**	W/(m K)	-
[C] Spec. heat capacity of melt	**2100**	J/(kg K)	-
[C] Eff. thermal diffusivity	**5.44E-8**	m²/s	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**80**	MPa	ISO 527
[C] Charpy impact strength, +23°C	**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	**N**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**N**	kJ/m²	ISO 179/1eA
[C] Stress at 10% elongation	**5.1**	MPa	ISO 527
[C] Stress at break TPE	**20**	MPa	ISO 527
[C] Strain at break TPE	**>300**	%	ISO 527
[C] Shore D hardness	**38**	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**200**	°C	ISO 11357-1/-3

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Humidity absorption	**1.3**	%	Sim. to ISO 62
[C] Density	**1190**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding, Film Extrusion, Profile Extrusion, Sheet Extrusion, Other Extrusion, Casting

Regional Availability

North America, Europe, Asia Pacific, South and Central America

Delivery form

Pellets