

Arnitel® EL740-H/A

Thermoplastic Copolyester Elastomer
DSM Engineering Plastics

Message:

Arnitel® EL740-H/A is a Thermoplastic Copolyester Elastomer (TPC-ET) material. It is available in North America for injection molding.
Important attributes of Arnitel® EL740-H/A are:
Flame Rated
Heat Stabilizer

General Information			
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	2.0	%	
Flow	1.8	%	
Water Absorption			ISO 62
Saturation, 23°C	0.60	%	
Equilibrium, 23°C, 50% RH	0.15	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	74		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ISO 527-2
Tensile Stress (10% Strain)	34.0	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m ²	
23°C	10	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	220	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	1.1E-4	cm/cm/°C	
Transverse	1.1E-4	cm/cm/°C	
Flammability	Nominal Value		Test Method
Flammability Classification (1.60 mm)	HB		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		

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Recommended distributors for this material

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