

Arnitel® EE8479
Envalior - Thermoplastic Copolyester Elastomer
General Information
Product Description

Injection Molding

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Processing Method	• Injection Molding
Resin ID	• TPC-ET

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	55	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.0	%	
Flow	0.80	%	
Water Absorption (Saturation, 73°F)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	psi	ISO 527-1
Tensile Stress (Break)	1740	psi	ISO 527-2
Nominal Tensile Strain at Break	900	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	No Break		ISO 179/1eA
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	82		ISO 868
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature			
-- ²	-112	°F	ISO 11357-2
-- ³	-101	°F	ASTM D5026/D7028
Melting Temperature ²	356	°F	ISO 11357-3
Fill Analysis	Nominal Value	Unit	Test Method
Melt Density	0.905	g/cm ³	

Notes
¹ Typical properties: these are not to be construed as specifications.

² 10°C/min

³ from DMTA (tan d)
