Radilon® MIXLOY S RVA80T 100 NT

Radici Group High Performance Polymers - *Polyamide 6 + ABS*

General Information

Product Description

PA6/ABS blend, 8% glass fibre injection moulding grade. Toughened. Natural colour.

Suitable for parts requiring improved stiffness, along with improved impact resistance. Excellent aesthetic surface aspect.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 8.0% Filler by Weight		
Additive	• Impact Modifier		
Features	• Good Impact Resistance • Good Stiffness	• Impact Modified • Outstanding Surface Finish	
Agency Ratings	• EU 2011/65/EC		
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Processing Method	• Injection Molding		
Resin ID (ISO 1043)	• (PA6+ABS)-I-GF8		

Properties [1]

Physical	Dry	Conditioned	Unit	Test Method
Density	1.13	--	g/cm³	ISO 1183
Water Absorption (Saturation, 73°F, 0.0787 in)	5.3	--	%	ISO 62
Water Absorption (Equilibrium, 73°F, 0.0787 in, 50% RH)	1.7	--	%	ISO 62
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	580000	363000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	10900	7980	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0	6.0	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	6.0	20	%	ISO 527-2/1A/50
Flexural Modulus [2]	493000	326000	psi	ISO 178
Flexural Stress [2]	17400	10900	psi	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	5.5	--	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	29	36	ft·lb/in²	ISO 179/1eU
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Vicat Softening Temperature	302	--	°F	ISO 306/B50
Melting Temperature [3]	432	--	°F	ISO 11357-3

Processing Information

Injection	Dry	Unit
Drying Temperature - Desiccant Dryer	176	°F
Drying Time - Desiccant Dryer	2.0 to 4.0	hr
Dew Point - Desiccant Dryer	< -4	°F
Suggested Max Moisture	0.15	%
Processing (Melt) Temp	464 to 500	°F
Mold Temperature	104 to 140	°F
Injection Rate	Moderate	