

Radilon® MIXLOY S HSA20UK 283 WT

Radici Group High Performance Polymers - Polyamide 6 + ABS

General Information

Product Description

PA6/ABS blend, injection moulding grade. Improved UV resistance. White colour.

Suitable for parts requiring good dimensional stability, low warpage and good surface aspect. Intended to resist to outdoor exposure along with a good property retention after moisture absorption.

General

Features	<ul style="list-style-type: none"> • Good Dimensional Stability • Good Surface Finish 	<ul style="list-style-type: none"> • Low Warpage • UV Resistant
Agency Ratings	<ul style="list-style-type: none"> • EU 2011/65/EC 	
RoHS Compliance	<ul style="list-style-type: none"> • RoHS Compliant 	
Appearance	<ul style="list-style-type: none"> • White 	
Processing Method	<ul style="list-style-type: none"> • Injection Molding 	
Resin ID (ISO 1043)	<ul style="list-style-type: none"> • (PA6+ABS) 	

Properties ¹

Physical	Dry	Conditioned	Unit	Test Method
Density	1.12	--	g/cm ³	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	413000	215000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	9860	6240	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	3.7	15	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	45	> 120	%	ISO 527-2/1A/50
Flexural Modulus ²	425000	225000	psi	ISO 178
Flexural Stress ²	14500	7250	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength 73°F	4.0	7.1	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F	No Break	No Break		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	140	--	°F	ISO 75-2/Af
Melting Temperature ³	428	--	°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	Dry	Unit
Injection Rate	Moderate	