

Radilon® MIXLOY S HSA20 3054 BK

Radici Group High Performance Polymers - Polyamide 6 + ABS

General Information

Product Description

PA6/ABS blend, injection moulding grade. Black colour.

Suitable for parts requiring good dimensional stability, low warpage and good surface aspect. Good property retention after moisture absorption.

General

Features	<ul style="list-style-type: none"> • Good Surface Finish • High Dimensional Stability • Low Warpage
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"> • Black
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	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	406000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	9140	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	40	%	ISO 527-2/1A/50
Flexural Modulus ²	368000	psi	ISO 178
Flexural Stress ²	13100	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.3	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ³	428	°F	ISO 11357-3

Processing Information

Injection	Nominal Value	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	

Notes

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

² 0.079 in/min

³ 10°C/min