



# RADILON MIXLOY S HSA20UK 283 WT

PRELIMINARY

## 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.

ISO 1043: (PA6+ABS)

REGIONAL AVAILABILITY: North America, Europe, Asia Pacific, South and Central America, Near East/Africa

*THE CHARACTERISTICS SHOWN HERE MUST BE CONSIDERED PRELIMINARY AND INDICATIVE FOR A PRODUCT AT DEVELOPMENTAL STAGE*

## MATERIAL HANDLING AND PROCESSING

The material is delivered in moisture-proof packaging ready for processing. Maximum recommended water content for best processing is 0.15%. Typical conditions with a desiccant drier: temperature 80 ° C, dew point -20 ° C or below, time 2-4 h or more. Special care must be taken to avoid moisture absorption and contamination with other polymers when adding regrind material. Colour variation and mechanical properties reduction may occur and should always be carefully monitored.

### Injection Molding Processing Parameters

Melt Temperature  
240 - 260°C

Mold Temperature  
40 - 60°C

Injection Speed  
medium

## PRODUCT SAFETY AND APPROVALS

For safety instruction please refer to Material Safety Data Sheet  
ROHS compliant 2011/65/EU and following amendments



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PROPERTY	STANDARD	UNIT	VALUE	
			DAM*	Cond**
<b>PHYSICAL PROPERTIES</b>				
Density	ISO 1183	kg/m <sup>3</sup>	1120	
Water Absorption, immersion at 23°C	ISO 62	%		5.8
Moisture Absorption 23°C - 50%RH	ISO 62	%		1.9
<b>MECHANICAL PROPERTIES</b>				
Tensile Modulus	ISO 527-2/1A	MPa	2850	1485
Stress at Yield	ISO 527-2/1A	MPa	68	43
Yield Strain	ISO 527-2/1A	%	3.7	15
Nominal Strain at Break	ISO 527-2/1A	%	45	>120
Flexural Modulus	ISO 178	MPa	2930	1550
Flexural Strength	ISO 178	MPa	100	50
Charpy Impact Strength	ISO 179/1eU	kJ/m <sup>2</sup>	N	N
Charpy Notched Impact Strength	ISO 179/1eA	kJ/m <sup>2</sup>	8.5	15
<b>THERMAL PROPERTIES</b>				
Melting Temperature	ISO 11357-1/-3	°C		220
Heat Deflection Temperature	ISO 75/2Af	°C		60

\*: DAM = Dry As Moulded state according to ISO 16396-2, \*\*: Cond = Conditioned state similar to ISO 1110

