

Standard Version

**ABS MATERIAL - RONFALIN 103 GRADE
AS USED IN ALL BCL
MULTIPURPOSE BOXES**

Properties	UNIT	Test methods	
		ISO	DIN
<u>Mechanical Properties</u>	<u>kJ/m²</u>		
<i>Charpy notched impact strength:</i>		179/2c	53453
at +23 deg C	10		
at - 20 deg C	7		
<i>Izod notched impact strength:</i>	<u>kJ/m²</u>	180/3A	---
at +23 deg C (thickness 6.4mm)	17		
at - 20 deg C (thickness 6.4mm)	9		
<i>Tensile test:</i>	<u>N/mm²</u>	R527/1C	53455-3-5
tensile strength at yield	49		
elongation at yield	4		
<i>Flexural test:</i>	<u>N/mm²</u>	178B	
flexural strength	87		53452
modulus in flexure	2400		---
<i>Surface hardness:</i>	<u>R scale</u>		
Rockwell hardness	110	2039/2	
ball indentation hardness	90	2039/1	53456
<u>Thermal Properties</u>	<u>deg. C</u>		
<i>HDT:</i>		75/A	53461/A
unannealed	90		
annealed	97		
<i>Vicat softening temperature</i>	97	306/B50	53460
<i>Flammability properties</i>	94HB (1.5mm)	UL 94	
<u>Physical Properties</u>	<u>kg/m³</u>		
<i>Density</i>	1050	1183/A	53479
<i>Melt flow Index</i>	13	1133/19	53735/U
<i>Gloss</i>	59	---	67530
<i>Processing temperatures</i>	200-230'C	---	---