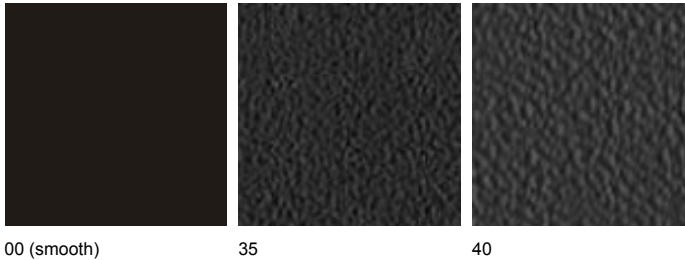




## RPC

Is an extruded black polycarbonate sheet for thermoforming. It is a sheet with a base of regrind material and the same co-extruded top layer as virgin sheet. The carbon black itself is a very good UV absorber and protects the material in outdoor applications. With RPC You will get a product with high impact strength and high temperature resistance product with high impact strength and high temperature resistance.



00 (smooth)

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Property	RPC	Unit	Standard
<b>Mechanical Properties</b>			
Tensile elongation at Yield (at break)	6	%	ISO 527
Tensile elongation at Break	>50	%	ISO 527
Flexural strength	>90	MPa	ISO 178
Elastic modulus	2300	MPa	ISO 527
Flexural modulus	2300	MPa	ISO 178
Izod notched impact strength +23°C	10		
Rockwell hardness	M70	R-scale	ISO 2039-2
Tensile strength at yield (at break)	50	MPa	ISO 527
Izod impact strength unnotched at +23°C	NB		ISO 180/1U
<b>Physical Properties</b>			
Density	1,20	g/cm3	ISO 1183
<b>Thermal Properties</b>			
Linear coefficient of thermal expansion (23-80°C)	0,7	10 <sup>-4</sup> x K <sup>-1</sup>	ISO 2039-2
Vicat softening temperature B120	149	°C	ASTM D 2220
Heat deflection temperature	132	°C	DIN 53516
<b>Delivery Program</b>			
Standard size	2050 x 1250	mm	
Max. Width	1450	mm	
Max. Length	4000	mm	
Thickness range	2 - 8	mm	
Embossing	35, 40, smooth		
Colours	Black or special		